

DESCRIPTION OF TABLES AND CHARTS.

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Table I gives, for about 137 Weather Bureau stations making two observations daily and for about 31 others making only one observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,800 stations occupied by voluntary and other cooperating observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station, the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions of the wind based on these two observations only and without considering the velocity. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes.....	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates per hour (ins.).....	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.86	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages; it is prepared by the Forecast Division.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks of centers of low areas, are prepared by the Forecast Division. The roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest barometric reading at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths,

when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all by 0.0.

Chart IV.—Percentage of clear sky. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of clear sky, and the values thus obtained have been used in preparing Chart VII.

Chart V.—Surface temperatures; maximum, minimum, and mean of these. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VI. Isobars and isotherms at 10,000 feet. The mean monthly station pressure for each station has been reduced to the 10,000-foot plane by entering Table 53, pages 789–988, Volume II, Annual Report of the Chief of the Weather Bureau, 1900–1901, with the temperature argument, *t*, corresponding to θ_2 , and correcting the station pressure by the reduction $B_2 - B$ after applying the plateau correction, *C*. $\Delta \theta$. *H*, and the corrections for *e* and ΔA , the argument *t* being the mean monthly air temperature. This reduction is fully described in the Annual Report of the Chief of the Weather Bureau for 1900–1901, Volume II, pages 772 to 786. The reduction for obtaining B_2 may also be found by using gradients from the station pressure to the height of 10,000 feet, as set forth on pages 18 and 19 of the MONTHLY WEATHER REVIEW for January, 1902.

The isotherms on the 10,000-foot plane have been computed by using the gradients for temperature for each month and station as shown by Table 48, Chapter VIII, Volume II, Report of the Chief of the Weather Bureau, 1900–1901.

Chart VII.—Isobars and isotherms at 3500 feet. The pressure and temperature data entered on this chart are found by the method described for similar data on the 10,000 foot plane.

Chart VIII.—Isobars and isotherms at sea-level and resultant surface winds. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13–16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the twenty-four hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings, at stations taking two observations daily, and to the 8 a. m. or 8 p. m. observation, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in Table 27, Volume II, Annual Report of the Chief of Weather Bureau, 1900–1901, pp. 140–164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of the Annual Report of the Chief of the Weather Bureau for 1900–1901, Volume II. The correction $t_0 - t$, or temperature on the sea-level plane minus the station temperature, as given by Table 48 of the above report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The resultant wind directions are computed from observations at 8 a. m. and 8 p. m. daily. The resultant durations are shown by figures attached to the arrows.

IX.—Isobars at sea-level; surface isotherms; resultant winds.

Chart X.—Hydrographs for seven principal rivers of the United States, prepared by the Forecast Division.

Chart XI.—The total snowfall. This is based on the reports from regular and voluntary observers, and shows the depth of the snowfall during the month in inches. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

Chart XII.—Depth of snow on ground at end of month.

When there is no snow the last two charts are omitted.

TABLE I.—Climatological data for Weather Bureau stations, February, 1904.

Stations.	Elevation of instruments		Pressure, in inches.				Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.		Wind.		Average cloudiness, tenths.						
	Bathometer above sea level, feet.	Thermometers above ground.	Actual reduced to mean of 24 hours.	Sea level reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. - 2.	Departure from normal.	Date.	Maximum.	Mean maximum.	Minimum.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Total.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Clear days.	Cloudy days.	
	Altimeter above ground.	Altimeter above ground.	Actual reduced to mean of 24 hours.	Sea level reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. - 2.	Departure from normal.	Date.	Maximum.	Mean maximum.	Minimum.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Total.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Clear days.	Cloudy days.	
<i>New England.</i>																							
Eastport	76	69	82	29.91	30.00	+ .02	14.4	- 7.6	44	22	22	11	12	7	29	13	10	74	2.59	- 1.1	18	10,333	
Portland, Me.	103	81	117	29.93	30.06	+ .04	15.7	- 8.9	45	22	23	10	9	8	28	14	9	76	2.35	+ 0.1	11	6,483	
Concord	208	70	79	29.74	30.08	+ .04	15.2	- 8.2	45	22	25	10	9	5	45	13	5	71	3.97	- 1.2	11	4,529	
Northfield	876	16	60	29.10	30.10	+ .06	10.6	- 5.4	53	7	21	13	2	0	4	44	8	72	0.56	- 1.1	11	6,663	
Boston	125	115	181	29.94	30.08	+ .04	22.6	- 5.4	49	22	31	1	10	14	33	20	14	70	2.49	- 0.9	11	8,558	
Nantucket	12	43	82	30.06	30.07	+ .03	25.4	- 5.6	49	22	32	4	16	18	32	23	18	73	3.86	+ 0.9	15	11,386	
Block Island	26	11	46	30.07	30.10	+ .04	25.0	- 5.8	49	22	32	4	16	18	32	23	18	73	3.12	- 1.4	10	16,120	
Narragansett	9	38	82	30.03	30.04	+ .04	23.2	- 5.9	49	22	32	1	16	14	32	23	18	73	2.73	- 1.8	9	7,457	
New Haven	106	116	154	30.01	30.14	+ .07	23.0	- 5.8	51	8	32	0	16	14	41	20	13	57	2.52	- 1.7	8	5,366	
<i>Mid-Atlantic States.</i>																							
Albany	97	102	115	30.05	30.17	+ .10	17.0	- 7.2	46	7	26	4	10	8	37	14	11	81	1.17	- 1.6	9	6,404	
Binghamton	875	79	90	29.18	30.15	+ .07	17.0	- 6.9	55	7	26	6	10	8	43	17	11	6,097	2.9	- 1.7	11	12,111	
New York.	314	108	350	29.79	30.14	+ .06	25.0	- 6.5	53	7	33	1	16	17	33	21	13	61	2.18	- 1.8	12	8,393	
Harrisburg	374	94	104	29.78	30.20	+ .11	23.2	- 9.3	53	7	31	0	16	16	26	20	15	71	1.54	- 1.4	14	6,416	
Philadelphia	117	116	184	30.06	30.19	+ .09	27.4	- 6.1	57	7	36	5	17	19	32	23	17	66	2.21	- 1.1	10	8,312	
Scranton	805	111	119	29.27	30.18	+ .10	20.1	- 5.5	55	7	29	4	16	11	35	17	10	66	0.92	- 1.1	11	6,472	
Atlantic City	52	39	48	30.12	30.18	+ .07	26.5	- 7.4	52	24	34	2	17	19	30	23	17	70	2.08	- 1.4	10	6,734	
Cape May	17	47	51	30.18	30.20	+ .09	27.5	- 8.2	50	7	34	6	17	21	27	24	17	70	2.02	- 1.9	7	7,149	
Baltimore	123	69	117	30.05	30.19	+ .08	28.6	- 7.6	64	7	37	5	17	21	30	24	17	64	1.50	- 2.1	9	5,950	
Washington	112	59	76	30.08	30.21	+ .10	28.4	- 7.4	53	7	37	2	20	23	38	24	18	63	1.65	- 1.8	10	5,788	
Cape Henry	18	11	58	30.08	30.20	+ .09	35.4	- 8.5	77	7	43	14	17	23	31	31	22	68	3.15	- 0.6	12	11,849	
Lynchburg	681	83	88	29.41	30.19	+ .08	33.0	- 7.0	64	7	42	3	24	24	40	28	22	70	3.56	- 0.4	13	7,820	
Norfolk	91	102	111	30.10	30.21	+ .10	35.8	- 7.0	76	7	43	12	17	28	32	31	26	70	4.20	- 0.8	11	8,111	
Richmond	144	82	90	30.05	30.22	+ .11	34.2	- 7.4	68	7	43	9	17	26	35	35	28	77	2.71	- 0.8	11	4,503	
Wytheville	2,293	40	47	27.72	30.19	+ .07	31.4	- 7.6	67	6	29	41	6	17	22	34	27	23	77	2.08	- 0.8	11	5,129
<i>S. Atlantic States.</i>																							
Asheville	2,255	53	75	27.78	30.17	+ .04	37.0	- 2.7	74	29	47	4	2	27	46	32	27	74	3.06	- 0.8	11	7,157	
Charlotte	773	68	76	29.35	30.21	+ .09	39.6	- 5.4	71	7	48	19	11	32	28	34	26	85	3.42	- 1.2	12	6,018	
Hatteras	11	12	47	30.18	30.19	+ .08	42.0	- 4.6	65	*	49	17	35	35	39	37	34	84	3.52	- 1.1	13	17,474	
Raleigh	376	71	79	29.80	30.22	+ .11	38.3	- 5.6	76	7	48	15	2	29	31	23	27	70	4.22	- 0.3	12	5,473	
Wilmington	78	82	90	30.10	30.19	+ .07	43.8	- 6.0	74	29	54	21	13	34	34	36	33	73	2.19	- 1.2	10	6,792	
Charleston	48	14	92	30.16	30.21	+ .09	49.4	- 3.4	76	24	57	28	11	42	47	35	34	74	3.57	- 0.1	10	7,876	
Columbia, S. C.	351	167	175	29.81	30.21	+ .10	44.4	- 3.7	73	7	53	22	11	36	28	39	33	72	3.01	- 1.3	12	7,714	
Augusta	180	89	97	30.00	30.20	+ .08	46.4	- 4.0	75	7	56	24	2	37	34	40	34	71	3.05	- 1.1	10	4,863	
Savannah	65	79	89	30.12	30.20	+ .08	52.0	- 2.3	81	7	61	29	12	43	29	45	41	75	2.87	- 0.3	8	5,872	
Jacksonville	43	101	129	30.11	30.16	+ .04	56.6	- 1.8	80	7	66	33	12	47	50	46	50	80	9	6,679	ne.	14	10,51
<i>Florida Peninsula.</i>																							
Jupiter	28	10	48	30.11	30.14	+ .06	68.5	- 1.4	83	22	75	44	2	62	63	60	61	81	2.10	- 0.7	6	7,922	
Key West	22	10	53	30.09	30.11	+ .04	71.0	- 0.4	82	22	76	52	12	66	65	63	61	81	1.08	- 0.6	4	7,106	
Sand Key	24	...	...	...	...	...	71.1	- 0.4	83	11	75	56	12	68	18	17	17	83	0.64	- 0.1	4	11,645
Tampa	34	60	67	30.11	30.15	+ .05	63.5	+ 0.7	83	28	73	37	2	54	58	54	81	81	3.20	+ 0.1	8	4,147	
<i>East Gulf States.</i>																							
Atlanta	1,174	190	216	28.92	30.19	+ .07	43.4	- 4.6	71	7	51	23	1	36	23	38	32	70	76	2.99	- 1.9	13	9,230
Macon	370	93	99	29.79	30.20	+ .08	48.0	- 3.1	74	7	57	27	2	39	35	30	32	70	3.51	- 1.3	13	4,999	
Pensacola	56	79	96	30.09	30.15	+ .04	56.8	- 0.0	72	29	63	33	12	51	57	53	60	74	2.20	- 1.9	12	6,764	
Birmingham	700	136	143	29.40	30.18	+ .06	48.3	- 0.9	72	29	57	25	12	39	30	30	32	74	2.14	- 2.3	8	5,125	
Mobile	57	88	96	30.08	30.15	+ .04	55.7	- 0.9	73	28	63	32	12	48	24	51	48	80	4.01	- 0.9	8	5,399	
Montgomery	223	100	112	29.93	30.16	+ .04	51.9	- 0.8	73	21	61	24	11	32	43	32	34	72	5.78	- 0.2	11	5,103	
Meridian	375	84	93	29.75	30.16	+ .05	52.2	- 1.4	81	27	62	28	13	42	40	47	48	80	2.98	- 2.8	9	5,004	
Vicksburg	247	62	74	29.84	30.11	+ .01	54.8	- 2.2	81	29	64	30	16	46	29	47	41	68	1.78	- 3.1	9	6,181	
New Orleans	51	88	121	30.07	30.13	+ .04	60.3	- 2.2	82	29	68	36	1	52	29	55	51	80	1.52	- 3.2	7	6,532	
<i>West Gulf States.</i>																							
Shreveport	249	77	84	29.82	30.10	+ .01	53.8	- 2.6	81	29	63	30	20	45	31	47	42	68	1.99	- 2.3	5	6,070	
Fort Smith	457	79	94	29.60	30.09	- .01	44.6	- 3.1	79	28	54	24	11	35	34	39	32	66	0.85	- 2.9	5	7,804	
Pensacola	357	93	100	29.75	30.14	+ .03	45.6	- 0.2	79	28	55	23	11	37	30	40	33	65	3.13	- 2.4	6	5,917	
Corpus Christi	20	48	53	30.04	30.06	+ .01	60.8	- 1.8	80	24	68	32	1										

TABLE I.—Climatological data for Weather Bureau stations, February, 1904—Continued.

Stations.	Elevation of instruments. Barometer above sea level, feet. Thermometers above ground. Anerometer above ground.	Pressure, in inches. Actual, reduced to mean of 24 hours.	Temperature of the air, in degrees Fahrenheit.								Precipitation, in inches. Total.	Wind.			Maximum velocity. Miles per hour.	Maximum cloudiness, tenths. Total snowfall.							
			Mean max. + mean min. + 2. Sea level, reduced to mean of 24 hrs.	Departure from normal. Departure from normal.	Maximum. Date.	Minimum. Date.	Mean maximum. Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal. Days with 0°, or more.	Total movement, miles. Prevailing direction.	Direction.	Date.							
North Dakota.																							
Moorehead.	935	54	60	29.16	+ .15	— 1.1	— 9.3	40	27	9	— 26	8	— 10	30	— 2	7,875	se. 40						
Bismarck.	1,674	29	28.32	30.25	+ .13	— 0.2	— 9.7	42	27	9	— 25	11	— 10	43	— 3	7,404	nw. 50						
Williston.	1,875	14	44	28.04	+ .06	— 2.8	— 10.5	41	27	9	— 33	15	— 15	55	— 4	5,909	nw. 68						
Upper Miss. Valley.																							
Minneapolis.	.....	99	208	5.2	+ .11	— 11.0	— 10.0	36	27	13	— 19	8	— 3	28	77	0.83	+ 0.2	12	7,954	nw. 35			
St. Paul.	837	102	122	29.26	— 0.1	— 9.6	— 9.6	38	27	14	— 18	1	— 2	31	5	0.75	+ 0.3	13	5,576	nw. 28			
La Crosse.	714	71	87	29.41	— 0.2	— 9.9	— 9.9	42	28	19	— 16	1	— 1	32	53	0.57	+ 0.1	9	5,286	n. 31			
Davenport.	606	71	79	29.50	— 0.19	— 9.9	— 9.9	41	28	19	— 17	1	— 1	33	58	0.72	+ 0.1	6	6,525	ne. 35			
Des Moines.	861	84	99	29.25	— 0.23	— 9.9	— 9.9	47	27	61	— 26	8	— 3	41	15	0.22	+ 0.2	6	6,735	n. 31			
Dubuque.	698	100	117	29.42	— 0.22	— 9.9	— 9.9	44	27	62	— 26	11	— 6	34	12	0.73	+ 0.1	8	5,719	nw. 32			
Keokuk.	614	63	78	29.48	— 0.18	— 6.7	— 6.7	67	28	29	— 11	1	— 14	39	19	0.70	+ 1.1	5	5,348	n. 42			
Cairo.	356	87	93	29.79	— 0.19	— 6.7	— 6.7	36.2	28	45	— 12	1	— 28	42	33	0.70	+ 2.4	6	8,426	n. 66			
Springfield, Ill.	644	82	93	29.47	— 0.19	— 6.4	— 6.4	63	28	52	— 1	5	— 16	36	21	0.73	+ 2.0	7	8,299	n. 39			
Hannibal.	534	75	109	29.58	— 0.18	— 5.5	— 5.5	69	28	55	— 5	1	— 17	36	36	0.70	+ 0.9	9	7,645	n. 36			
St. Louis.	567	208	29	29.54	— 0.17	— 3.8	— 4.3	69	7	40	— 2	1	— 22	47	27	0.84	+ 0.2	5	9,140	n. 62			
Missouri Valley.																							
Columbia, Mo.	784	11	84	29.28	— 0.14	— 0.3	— 3.5	67	6	38	— 2	1	— 19	39	39	0.48	+ 0.8	7	7,328	ne. 38			
Kansas City.	963	78	95	29.10	— 0.18	— 0.7	— 29.0	— 2.0	70	6	38	7	4	20	45	26	0.69	+ 1.2	6	4,900	n. 30		
Springfield, Mo.	1,324	98	104	28.68	— 0.12	+ .01	36.2	+ 1.5	76	28	46	13	11	26	41	27	0.85	+ 2.3	3	9,559	se. 38		
Topeka.	85	89	—	—			28.6	+ 2.7	71	6	39	6	11	19	51	—	0.16	+ 1.6	3	7,242	n. 34		
Lincoln.	1,189	75	84	28.84	— 0.18	+ .08	22.0	+ 1.4	63	5	33	— 4	8	11	45	18	0.71	+ 0.7	9	8,306	n. 44		
Omaha.	1,105	115	121	28.95	— 0.20	+ .09	19.8	+ 5.2	60	5	30	— 5	8	10	40	47	0.78	+ 0.7	3	7,477	n. 38		
Valentine.	2,593	47	54	27.30	— 0.15	+ .06	20.3	+ 1.2	68	27	33	— 12	9	8	43	15	10	0.22	+ 0.6	10	7,733	n. 52	
Sioux City.	1,135	96	164	28.92	— 0.21	+ .09	14.6	+ 4.4	58	5	26	— 13	8	3	53	—	0.33	+ 0.2	4	10,115	n. 61		
Pierre.	1,572	43	50	28.43	— 0.20	+ .09	11.3	+ 4.1	46	27	20	— 20	9	3	36	9	57	0.83	+ 0.4	12	6,015	e. 40	
Huron.	1,306	56	67	28.73	— 0.22	+ .10	6.6	+ 5.4	49	27	16	— 23	8	— 3	34	5	38	0.45	+ 0.2	11	9,786	n. 47	
Yankton.	1,233	42	49	28.82	— 0.20	+ .10	14.8	+ 4.4	56	5	26	— 15	8	3	54	—	0.53	+ 0.2	7	6,337	n. 40		
Northern Slope.																							
Havre.	2,505	11	44	27.30	— 0.10	+ .03	3.6	+ 9.6	47	1	15	— 29	10	— 8	48	1	0	90	0.57	0	11	5,366	e. 40
Miles City.	2,371	42	50	27.42	— 0.05	+ .04	12.0	+ 4.2	46	1	22	— 16	10	— 2	34	10	9	56	0.62	+ 0.2	7	3,981	n. 46
Helena.	4,110	88	94	25.63	— 0.17	+ .14	21.2	+ 0.5	52	26	31	— 9	9	11	42	18	0.67	+ 0.1	10	4,930	sw. 51		
Kalispell.	2,965	45	51	26.72	— 0.29	+ .23	25.6	+ 2.6	44	22	34	— 1	10	18	28	23	0.90	+ 1.0	18	3,821	w. 30		
Rapid City.	3,234	46	50	26.54	— 0.08	+ .00	18.0	+ 2.6	62	22	31	— 19	10	5	53	15	80	0.05	+ 2.8	22	8,110	n. 4,572	
Cheyenne.	6,088	56	64	23.87	— 0.14	+ .03	34.0	+ 6.7	63	27	47	5	18	21	33	26	14	48	0.33	+ 0.1	3	9,521	w. 60
Lander.	5,372	26	36	24.49	— 0.15	+ .13	29.4	+ 6.4	58	26	43	— 5	10	16	40	25	18	65	0.63	+ 0.1	3	3,391	sw. 36
Yellowstone Park.	6,200	11	47	26.68	— 0.15	+ .15	23.8	+ 3.2	42	26	32	— 4	18	15	33	21	16	72	0.50	+ 1.2	15	7,552	sw. 36
North Platte.	2,821	43	52	27.09	— 0.13	+ .06	28.5	+ 3.2	73	27	44	— 2	8	13	59	21	16	72	0.06	+ 0.4	1	6,126	se. 38
Middle Slope.																							
Denver.	5,291	79	151	24.60	— 0.29	+ .02	40.2	+ 8.0	73	27	54	12	8	27	40	31	21	51	0.17	+ 0.4	1	6,615	s. 51
Pueblo.	4,685	80	86	25.20	— 0.95	+ .05	37.8	+ 7.7	74	25	54	6	9	21	54	29	15	46	0.31	+ 0.2	2	5,797	nw. 48
Concordia.	1,398	42	47	28.63	— 0.16	+ .07	27.8	+ 0.4	68	5	39	1	11	17	45	23	19	75	0.05	+ 0.8	3	5,446	se. 30
Dodge.	2,509	44	54	27.41	— 0.10	+ .09	35.0	+ 3.2	83	27	51	5	10	19	53	26	19	65	0.02	+ 0.6	1	7,360	n. 40
Wichita.	1,358	78	86	28.64	— 0.13	+ .05	35.5	+ 3.7	79	23	48	7	11	23	49	30	26	75	0.04	+ 1.2	2	7,487	ne. 35
Oklahoma.	1,214	79	86	28.75	— 0.06	+ .01	43.8	+ 3.3	90	28	56	12	11	31	42	36	28	62	0.04	+ 0.9	1	10,181	n. 42
Southern Slope.																							
Abilene.	1,738	45	54	28.21	— 0.04	+ .01	52.2	+ 6.3	94	25	66	16	11	39	45	43	35	60	0.27	+ 1.2	2	7,514	s. 34
Amarillo.	3,676	10	49	26.22	— 0.00	+ .02	45.1	+ 9.5	84	25	62	8	10	29	46	32	18	45	0.08	+ 0.8	1	10,034	sw. 48
Southern Plateau.																							
El Paso.	3,762	10	110	26.18	— 0.97	+ .02	53.0	+ 3.6	86	24	70	21	1	36	47	37	17	30	0.01	+ 0.4	1	7,384	nw. 56
Santa Fe.	7,017	43	50	23.22	— 0.00	+ .02	38.7	+ 6.7	66	24	50	16	10	28	32	28	14	40	0.26	+ 0.6	4	5,527	se. 25
Flagstaff.	6,907	12	25	23.34	— 0.94	+ .06	38.0	+ 6.6	66	24	52	5	6	24	44	31	25	64	1.12	+ 0.8	5	7,030	w. 46
Phoenix.	1,103	50	58	28.82	— 0.98	+ .01	58.9	+ 4.5	91	24	75	34	1	43	41	45	30	39	0.26	+ 0.5	2	8,280	e. 28
Yuma.	141	16	46	29.82	— 0.97	+ .03	61.8	+ 3.2	92	24	77	33	9	47	41	47	29	34	T.	0.5	0	3,925	n. 32
Independence.	3,910	51	58	25.94	— 0.94	+ .12	48.5	+ 5.7	73	22	59	22	6	38	31	37	20	35	1.20	+ 0.6	4	5,473	nw. 60
Middle Plateau.																							
Carson City.	4,720	82	92	25.19	— 0.95	+ .13	38.4	+ 1.9	61	3	48	6	9	24	38	35	30	74	0.85	+ 4.3	14	7,484	sw. 52
Winnebago.	4,344	59	70	25.52	— 0.95	+ .14	36.0	+ 3.5	59	* 46	9	26	3	42	32	32	26	61	0.56	+ 4.0	5	7,420	n. 57
Modena.	5,479	10	43	24.56	— 0.97	+ .07	36.0	+ 0.0	66	22	50	— 6	10	23	43	30	21	57	0.01	+ 0.5	5	8,940	sw. 58
Salt Lake City.	4,366	105	110	2																			

TABLE II.—Climatological record of voluntary and other cooperating observers, February, 1904.

Stations.	Temperature. (Fahrenheit.)			Precipa- tion.		Stations.	Temperature. (Fahrenheit.)			Precipa- tion.		Stations.	Temperature. (Fahrenheit.)			Precipa- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Alabama.</i>																		
Anniston	78	18	46.8	2.98		Ins.	Arizona—Cont'd.	°	°	°	Ins.	Ins.	California—Cont'd.	°	°	°	Ins.	Ins.
Ashville	76	20	46.0	2.78			San Carlos	90	18	53.2	0.43		Corning* ⁶	75	32	51.2	4.95	
Benton							San Simon	88	10	49.5	0.25		Coronado				1.63	
Bermuda	82	27	54.4	4.79			Sentinel* ¹	91	36	56.9	0.25		Crescent City	56	33	45.3	24.84	
Bridgeport							Superstition						Cuyamaca	65	9	40.3	3.76	5.0
Burkeville							Taylor	78	9	43.0	0.72	5.7	Defano* ¹	76	29	52.6	2.01	
Campbell	78	25	51.4	6.07			Thatcher	87	15	51.9	T.		Delta* ¹	69	22	43.2	21.19	7.0
Citronelle	81	31	56.7	3.46			Tonto	84	28	53.8	0.74		Dobbins	75	34	50.1	14.04	
Clanton	75	28	48.8	6.39			Tucson	91	24	56.2	0.54		Drytown	62	39	48.6	11.21	
Cordova	80 ^d	20 ^d	46.8 ^d	1.82			Upper San Pedro	87	11	46.6	0.50		Dunringan* ¹	65	31	49.5	5.33	
Daphne	78	30	57.9	2.22			Vail* ⁶	77	40	59.3	0.10		Durham	70	30	48.8	5.75	
Decatur	72	22	44.8	1.25			Walnutgrove						Eleajan	83	30	54.7	2.19	
Demopolis							Wilcox	83	9	47.7	0.20		Electra				13.92	
Dothan	83	24	53.9	3.20			Williams	71	—3	41.4	0.30	3.0	Elmdale	74	27	52.0	2.19	
Eufaula	78	28	50.2	9.15			Yarnell						Elsinore	83	24	53.7	1.49	
Evergreen	79	27	54.8	6.69			Young	82	14	46.0	0.47	4.5	Escondido	77	22	49.8	2.66	
Flomatou	83	26	55.2	5.55								Fallbrook	78	31	53.1	2.94		
Florence a.												Folsom City						
Florence b.	79	21	46.4	1.28								Fort Bragg						
Fort Deposit	82	28	51.2	7.95								Fort Ross	62	33	48.0	21.62		
Gadsden	78	24	48.1	3.16								Foster				3.05		
Goodwater	74	26	47.4	4.70								Foothills Springs				9.44		
Greensboro	78	27	51.2	4.62								Georgetown	63	23	42.7	26.02		
Greenville												Gilroy (near)	73	29	50.5	4.34		
Highland Home	84	28	53.4	6.52								Greenville	54	8	36.0	18.81	30.0	
Livingston	78	26	48.4	4.44								Hanford	77	28	49.4	2.03		
Loch No. 4	75	21	47.1	3.24								Healdsburg	65	28	48.2	17.69		
Madison Station	76	23	47.2	1.60								Highland Springs				17.55		
Maple Grove	76	19	44.0	3.26								Hollister	69	28	51.0	3.30		
Marion	78	25	49.6	3.81								Idylwild	73	16	45.6	2.70	7.0	
Milstead												Imperial	93	30	61.5	0.05		
Newbern	82	25	51.4	3.37								Iowa Hill* ¹	63	32	44.4	20.20	5.5	
Notasulga												Irvine				2.01		
Oeoneoto	75	23	46.2	2.49								Isabella	80	29	54.6	3.96		
Opelika	77	28	47.6	6.33								Jamestown	63	26	47.6	12.96		
Ozark	80	28	53.0	5.75								Jolon				4.65		
Prattville	83	25	50.6	4.38								Kennedy Gold Mine				13.79		
Pushmataha	80	25	52.0	6.08								Kentfield				21.72		
Riverton	79	18	46.6	1.70								King City	80	25	53.0	2.47		
Scottsboro	76	22	44.6	1.27								Lakeport (near)	57	34	45.1	8.78		
Selma	82	28	44.6	4.58								Lamiesa				2.20		
Spring Hill	74	34	57.0									Laporte	55	12	33.2	30.35	95.6	
Talladega	78	23	48.2	3.90								Legrande	70	28	49.1	2.60		
Tallassee												Lemoncoke	78	28	53.8	4.58		
Thomasville	79	28	50.2	5.63								Lick Observatory	61	22	39.6	9.53	3.5	
Tuscaloosa	79	26	47.5	2.21								Livermore	65	29	50.1	4.18		
Tuscumbia	77	23	44.8	1.41								Lodi	64	28	49.4	5.77		
Tuskegee	82	28	52.0	5.75								Lordsburg				3.57		
Union Springs	79	28	51.5	5.87								Los Gatos	67	34	48.6	9.14		
Uniontown	81	24	50.2	3.98								Magnolia	74	24	43.7	23.39	0.5	
Valleyhead	75	20	43.4	1.42								Mammoth	90	30	61.7	0.00		
Wetumpka	82	26	51.6	4.90								Marysville	63	29	49.4	5.18		
<i>Alaska.</i>												Merced	74	24	52.9	2.30		
Copper Center	25	—47	—11.1	0.22	4.5							Mercury				23.51		
Fort Liscum	42	2	21.2	0.52	5.2							Mills College				9.96		
Killisnoo	38	7	19.3	1.25	12.5							Milo				5.88		
Ore.	88	8	25.4									Milton (near)	62	33	50.2	6.78		
Sitka	43	10	25.5	0.43								Modesto* ¹	75	34	53.5	1.67		
Skagway	32	—3	10.7	T.								Mohave	80	28	53.0	0.76		
<i>Arizona.</i>												Mokelumne Hill				13.35		
Aqua Caliente	95	28	58.2	0.02								Montague	58	17	38.4	5.13		
Allaire Ranch												Monterio	76	30	49.4	3.39		
Arizona Canal Co's Dam	91	35	60.6	0.46								Mount St. Helena	61	32	50.2	2.77		
Acute	95	15	57.4	0.00								Napa	56	31	44.9	8.23		
Benson	85	20	53.4	0.55								Needles	90	40	63.2	0.10		
Bisbee	84 ^d	28 ^d	54.1 ^d	0.40								Nellie				6.77	7.0	
Bliss	75	8	43.4	0.72	3.0							Nevada City	69	22	42.4	19.17	10.0	
Bowie	87	19 ^d	51.8	0.26								Newcastle	68	33	49.1	10.79		
Casagrande	95											Newman	71	27	51.0	1.51		
Champie Camp	92	23	55.6	0.20								Niles	64	34	50.3	5.56		
Cochise* ¹	79	27	48.9	0.00								Nimshew	63	26	42.6	17.95		
Congress	81	33	57.4	0.39								Nordhoff				4.24		
Douglas	89	15	51.5	0.10								North Bloomfield	65	12	40.4	16.44	8.0	
Dragoon* ¹	88	30	49.0	0.20	2.0							Oakland	63	35	50.6	9.45		
Dudleyville	91	26	55.5	0.66								Ontario (near)	82	33	54.9	1.96		
Duncan	85	7	46.2	0.00								Orland	76	30	49.9	4.06		
Fort Apache	78	11	44.0	0.60								Orleans	66	33	46.6	24.27		
Fort Defiance	65	1	32.9	0.42								Oroville (near)	64	32	49.2	7.39		
Fort Grant	87	30	54.8	0.31								Palermo	66	31	47.6	7.22		
Fort Huachucua	83	24	52.2	0.49								Peachland* ⁶	52	30	49.0	17.01		
Fort Mohave	92	29	58.6	0.04								Pilot Creek				29.68	45.0	
Greatererville	81	18	51.1	0.70								Pine Crest	74	38	54.9	5.65		
Holbrook	78	12	44.8	0.37	3.0							Pine Grande	59	21	38.2	28.16	44.2	
Jerome	76	29	50.4	0.80								Placerville	62	26	45.8	15.59		
Kingman	80	25	50.6	0.64								Point Lobos	59	39	50.1	4.50		
Maricopa	90	22	53.6	0.30								Porterhouse	86	29	54.1	3.48		
Mesa	95	33	58.3	0.26								Poway				2.95		
Mesa (near)	89	28	56.4	0.32								Priest Valley				5.26		
Mohawk Summit* ¹	90	40	62.4	T.								Quincy	57	14	37.2	22.10	10.0	
Natural Bridge												Redding	71	30	46.7	14.10	T.	
Nogales	88	20	53.5	0.76	1.0							Redlands	88	32	56.2	1.50		
Oracle	80	32	53.2	0.60	6.0							Reedley	74	31	54.6	3.39		
Oro												Repress	62	34	50.0	8.63		
Parker	96	25	58.7	0.00								Rivovista	64	30	48.9	6.68		
Phoenix	91	28	56.7	0.21								Riverside	84	29	54.0	1.21		
Pinal Ranch												Robinvillere				15.30		
Prescott	66	5	39.6	0.50	3.0							Rosewood	70	21	44.4	7.38		
St. Johns	78	8	42.2	0.30	3.0							Sacramento	64	31	49.8	6.15		

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>California—Cont'd.</i>																	
Salinas	70	30	52.4	2.66		Parachute	65	-8	33.9	1.33	10.9	Sumner	87	24	57.7	3.73	
Salton	90	30	58.0	0.00		Platte Canon	68	-11	31.5	0.38	3.8	Switzerland	82	28	57.5	3.96	
San Bernardino	87	28	55.2	2.21		Rangely	65	-11	38.5	0.26	1.2	Tallahassee	77	31	56.5	2.75	
San Jose	73	34	53.4	3.01		Rockyford	81	5	T.	T.		Tarpon Springs	84	32	62.0	2.06	
San Leandro	64	30	49.2	9.46		Ruby	68	-4	30.8	0.03	0.5	Wausau	84	30	56.8	3.17	
San Mateo* ¹	66	35	53.6	6.97		Saguache	67	-4	37.8	0.36	3.0	<i>Georgia.</i>					
San Miguel* ¹	70	28	50.8	1.74		Sau Luis	65	-10	32.9	0.10	2.0	Abbeville	73	23	48.6	5.38	
San Miguel Island						Santa Clara	66	-8	36.1	0.36	5.0	Aldairsville	73	23	48.6	4.31	
San Rafael	62	30	48.6	15.38		Silt	64	-2	33.8	1.04	5.0	Albany	81	28	50.3	4.99	
Santa Barbara	73	37	54.6	4.69		Sugar Loaf						Alpharetta	80	25	51.7	2.84	
Santa Clara College	69	30	50.8	3.47		Trinidad	72	12	43.0	0.28	3.0	Americus	73	28	48.8	9.60	
Santa Cruz	67	30	49.8	5.45		Vilas	61	-15	26.7	0.30	3.5	Athens	72	24	42.1	5.15	
Santa Maria	73	34	54.4	5.39		Wagon Wheel	51	-21	26.5	0.16	3.0	Blakely	81	26	53.7	2.90	
Santa Monica	72	38	54.0	3.12		Wallet						Bowersville	72	24	42.4	2.75	
Santa Rosa	60	27	47.4	12.23		Waterdale	71	-1	37.2	0.28	2.3	Butler					
Sausalito						Westcliffe	61	-11	33.3	0.43	5.0	Canton	77	22	45.9	2.57	
Shasta	73	30	45.5	24.86		Whitepine	48	-12	20.4	0.22	21.8	Carlton					
Sierra Madre	77	39	55.2	4.92		Wray	75	-5	33.8	0.58	2.0	Clayton	70	10	40.5	5.47	
Sisson	58	8	40.2	10.91	24.5	Yuma						Columbus	77	27	51.0 ^b	5.08	
Snedden												Covington	78	24	49.9	4.16	
Sonoma												Dahlonega	69	14	40.7	5.43	
Sonora	60	28	45.9	13.82	2.8							Dublin	69	5	39.4	5.91	
Stirling City	71	16	38.4	26.51	14.5							Dudley	77	23	49.4	3.81	
Stockton	60	30	48.6	4.09								Eatonton	73	24	46.1	4.13	
Storey	70	20	46.8	2.69								Elberton	71	21	43.5	5.54	
Summerdale	60	16	38.6	14.96	44.0							Experiment	72	25	44.6	3.24	
Summit	48	18	30.6	30.40	172.0							Fitzgerald	83	22	51.2	2.69	
Susanville	51	5	33.8	9.05	20.0							Fleming	83	23	54.4	3.08	
Tehama* ¹	67	34	51.8	4.67								Gainesville	70	22	40.8	1.96	
Tejon Ranch	73	38	55.2	2.89								Gillsville	72	19	43.1	3.00	
Truckee* ¹	50	10	32.8	16.41	96.0							Greenbush	75	17	43.7	1.64	
Tulare c	80	28	53.8	2.55								Greensboro	74	22	48.6	3.61	
Tustin												Griffin	74	25	46.7	3.69	
Ukiah	66	25	46.8	17.29								Harrison	75	23	48.6	4.92	
Upland	76	33	52.8	4.26								Hawkinsville	78	21	47.2	5.88	
Upperlake	69	20	43.5	11.19								Jesup	82	24	52.6	2.73	
Upper Mattole												Lost Mountain	75	23	43.2	3.28	
Vacaville* ¹	65	30	49.5	8.61								Louisville	72	22	47.0	3.76	
Ventura	75	38	54.8	4.54								Lumpkin	79	20	53.8	7.85	
Visalia	78	28	53.4	2.54								Marshallville	75	29	49.8	5.46	
Volcano	93	26	50.6	0.00								Mauzy	80	24	55.0	2.86	
Wasco	80	26	53.8	1.93								Milledgeville	74	22	45.4	3.63	
Westpoint												Miller	82	22	42.2	2.98	
Wheatland	64	30	48.1	6.14								Monticello	73	25	45.2	3.58	
Willits												Morgan	79	26	52.0	4.32	
Willow	64	28	48.0	3.44								Newnan	73	20	42.9	4.67	
Yosemite												Oakdale					
Zenia	62	15	38.8	27.58	21.0							Point Peter	74	19	43.2	5.96	
<i>Colorado.</i>												Poulson	82	22	51.0	3.17	
Alford	64	3	34.2	0.28	3.5							Putnam	77	26	49.8	6.59	
Antelope Springs	55	-16	25.7	0.18	2.5							Quifman	79	27	54.0	3.09	
Ashcroft	49	-15	23.6	1.24	18.5							Ramsey	71	20	43.2	2.89	
Blaine	90	-3	38.3	0.00								Resaca					
Boulder	73	10	41.4	0.31	3.0							Rome	76	23	44.0	3.57	
Breckenridge	52	-18	25.4	2.81	39.5							St. Marys	82	25	53.8	4.04	
Buenavista												Statesboro	80	26	50.8	4.75	
Burlington	77	-6	33.9	T.								Talbotton	74	25	48.6	5.08	
Canyon	76	1	39.2	0.25	5.0							Tallapoosa					
Castlerock	72	-3	37.4	0.48	4.6							Thomasville	79	27	55.4	3.11	
Cheeseman	65	-2	38.3	0.30	3.8							Toccoa	73	19	42.5	4.14	
Cheyenne Wells	77	-4	34.6	T.								Valona	78	28	52.6	1.78	
Clearview	54	-11	29.3	0.52	8.5							Washington	73	22	42.8	5.15	
Colloran	62	-15	32.6	0.95	12.5							Waverly	84	24	54.1	2.58	
Colorado Springs	71	-1	36.9	0.02	0.8							Waycross	80	27	52.6	1.84	
Conejos* ¹	64	0	31.1	0.00								Westpoint	79	23	46.3	5.09	
Cripple Creek												Woodbury	79	21	45.0	5.30	
Durango	69	4	36.8	0.31	2.9							<i>Idaho.</i>					
Fort Collins	69	3	35.3	0.34	2.5							Albion	59	2	34.4	2.20	
Fort Morgan	82	4	35.2	0.58	2.8							American Falls	54	7	30.1	2.70	
Fowler												Blackfoot	53	-4	27.4	2.35	
Fox	75	-2	35.6	T.								Blue Lakes	66	9	38.3	2.18	
Fruita	69	-14	33.4	0.91	5.0							Burnside	48	-4	22.3	2.10	
Garnett	64	-11	27.6	0.15	2.0							Campbell	49	-5	27.8	5.25	
Gilman												Chesterfield	49	-21	25.5	2.63	
Gleneyre	74	0	35.3	0.11	1.8							Forney	58	-11	27.2	3.83	
Greeley	73	2	35.8	0.20	3.0							Garnet	73	15	40.8	1.05	
Grover												Grangeville	64	8	32.1	5.58	
Gunnison	61	-19	25.6	0.38	4.2							Lake	44	-8	23.0	2.70	
Halls Gulch	73	-9	1.53	23.8								Lakeview	46	12	33.2	4.81	
Hamps	72	-6	34.2	0.07	1.8							Lost River	47	-17	20.4	1.75	
Hoehne	75	-1	39.0	0.30	3.0							Meadows	49	-5	26.2	4.28	
Holly	82	3	37.1	T.								Milner	64	4	35.8	1.65	
Holyoke (near)	74	-10	30.8	0.17	2.5							Moscow	51	11	31.4	1.50	
Husted	70</																

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		
<i>Idaho—Cont'd.</i>	°	°	°	Ins.	Ins.	<i>Indiana—Cont'd.</i>	°	°	°	Ins.	Ins.	<i>Iowa—Cont'd.</i>	°	°	°	Ins.	Ins.		
Priest River.....	42	16	31.6	3.84	—	Cambridge City.....	64	-10	23.8	2.25	2.8	Corning.....	°	-12	18.6	0.08	0.5		
Riddle.....	50	12	33.5	2.91	19.2	Columbus.....	69	-10	27.8	2.21	1.7	Corydon.....	63	-17	18.4	0.12	0.5		
St. Maries.....	50	—	20.2	8.38	72.0	Connersville.....	68	-7	25.2	2.88	3.7	Cresco.....	40	-22	11.2	0.10	1.0		
Soldier.....	43	-15	7	22.2	1.85	Delphi.....	54	-10	19.0	1.61	5.8	Cumberland.....	43	-23	10.7	0.48	5.0		
Vernon.....	46	-7	22.2	1.85	18.5	Elkhart.....	50	-6	17.0	3.31	11.8	Decorah.....	47	-20	11.6	0.49	4.3		
Weston.....	55	-12	23.0	2.73	12.0	Farmersburg.....	60	-14	26.2	0.90	—	Denison.....	57	-12	16.8	0.30	3.0		
<i>Illinois.</i>	68	—	4	30.0	2.71	Farmland.....	61	-5	23.5	2.69	6.5	Desoto.....	47	-11	17.6	0.25	2.5		
Albion.....	63	-12	18.7	0.37	3.7	Fort Wayne.....	52	-10	19.6	2.85	5.0	Dows.....	42	-21	10.8	0.75	7.5		
Aledo.....	63	—	11	23.8	1.40	Franklin*.....	61	-7	28.9	2.35	1.8	Earlham.....	46	-14	15.2	0.37	2.0		
Antioch.....	44	-14	12.4	1.10	11.0	Frencastle.....	60	-6	24.2	1.81	4.4	Eldaker.....	47	-22	12.0	0.65	7.2		
Ashton.....	53	-13	15.3	2.09	16.0	Greensburg.....	66	-5	24.2	3.58	3.0	Estherville.....	40	-20	7.2	0.39	—		
Astoria.....	61	-14	21.3	1.07	7.5	Hannomd.....	65	-6	27.0	2.35	—	Fayette.....	49	-26	10.8	1.02	5.6		
Aurora.....	53	-12	16.3	1.47	11.4	Hector.....	51	-8	17.0	2.83	16.0	Forest City.....	40	-19	7.4	0.70	7.0		
Benton.....	70	—	1	32.6	3.34	Holland.....	56	-11	20.8	2.50	—	Fort Dodge.....	47	-17	13.0	0.60	6.0		
Bloomington.....	60	-12	22.0	1.35	4.5	Huntington.....	68	1	31.8	3.55	—	Fort Madison.....	54	-18	12.6	0.50	3.5		
Bushnell.....	66	-15	21.4	0.40	4.0	Jeffersonville.....	50	-8	19.2	2.64	6.0	Galva.....	54	-18	12.6	0.50	—		
Cambridge.....	59	-10	17.1	1.00	9.0	Kokomo.....	56	-8	22.2	1.51	5.5	Gilmian.....	57	—	20.0	0.02	0.2		
Carlinville.....	65	—	7	26.3	1.09	Lafayette.....	56	-10	20.0	1.83	9.0	Glenwood.....	45	-20	11.4	0.83	7.5		
Carrollton.....	64	-5	24.4	0.24	2.8	Laporte.....	47	-5	18.2	3.24	7.0	Grand Meadow.....	45	-19	16.8	0.20	2.0		
Charleston.....	58	-11	24.8	1.20	1.7	Logansport.....	55	-8	19.4	1.74	14.0	Greenfield.....	45	-10	15.3	0.73	2.3		
Chester.....	—	—	—	—	2.02	0.1	Mauzy.....	64	-4	27.5	2.55	1.8	Grinnell.....	49	-23	13.0	0.58	5.5	
Cisne.....	69	—	5	30.6	2.15	Mount Vernon.....	57	4	28.2	1.25	—	Grundy Center.....	48	-23	13.0	0.58	5.5		
Coatsburg.....	64	-14	22.4	1.20	2.0	Northfield.....	56	-18	21.5	2.66	19.0	Guthrie Center.....	60	-15	18.4	0.30	—		
Cobden.....	71	—	33.9	2.90	1.5	Paoli.....	69	6	32.0	3.24	2.0	Hampton.....	44	-19	11.9	0.95	9.1		
Danville.....	58	—	8	23.4	1.95	3.8	Princeton.....	67	—1	29.6	3.14	2.0	Hanlon town.....	39	-24	8.4	0.53	5.2	
Decatur.....	62	-11	23.8	1.33	4.5	Rensselaer.....	52	-10	19.5	2.33	9.0	Harlan.....	51	—8	17.0	0.17	1.7		
Dixon.....	—	—	—	0.79	10.7	Richmond.....	66	-11	24.6	2.39	2.3	Hopeville.....	52	-12	18.3	0.04	—		
Equality.....	71	4	35.5	3.49	2.0	Rome.....	59	-12	24.3	0.92	3.0	Humboldt.....	45	-21	13.6	0.50	5.0		
Fandou.....	65	-15	21.6	0.99	5.0	Salem.....	68	-1	31.0	2.77	4.2	Ida Grove.....	50	-15	13.7	0.30	3.0		
Flora.....	66	-12	27.8	2.00	0.2	Scottsburg.....	68	6	31.8	2.25	3.5	Indianola.....	48	-11	17.2	0.61	3.5		
Friendgrove.....	65	—4	29.0	2.63	T.	Shelbyville.....	61	-5	25.6	2.26	1.0	Inwood.....	48	-17	11.0	0.30	3.0		
Galva.....	60	-12	17.6	0.89	7.7	South Bend.....	46	-10	14.6	2.46	12.0	Iowa City.....	63	-14	13.8	0.84	8.0		
Grafton.....	—	—	—	0.43	3.0	Syracuse.....	51	-10	18.2	3.70	6.0	Iowa Falls.....	43	-23	10.7	1.03	9.8		
Greenville.....	64	—7	27.8	1.10	1.0	Topeka.....	45	-15	16.0	—	Jeffersonson.....	—	—	Keosauqua.....	70	-16	17.3	0.52	3.5
Griggsville.....	69	—8	25.9	1.60	—	Valparaiso.....	50	-10	18.6	1.70	—	Knoxville.....	56	-10	18.1	0.45	3.0		
Halfway.....	69	0	32.3	3.94	1.0	Veedersburg.....	58	-14	23.2	0.92	1.5	Lacona.....	56	-17	11.9	0.46	4.6		
Havana.....	63	-10	22.8	1.46	5.0	Vevay.....	67	3	31.3	3.35	2.0	Larrabee.....	54	-15	13.6	0.80	8.0		
Henry.....	58	-12	19.6	1.43	13.0	Vincennes.....	66	—1	31.5	2.26	0.2	Leclaire.....	45	-7	18.4	0.09	0.8		
Hillsboro.....	63	—9	26.6	0.90	2.0	Walla Haute.....	63	-4	28.6	1.32	3.5	Lemars.....	55	—3	20.0	0.05	0.5		
Hooperston.....	—	—	—	2.16	17.5	Terre Haute.....	45	-15	16.0	—	Monticello.....	55	-16	13.6	0.95	10.0			
Joliet.....	50	—5	17.2	1.75	14.4	Topeka.....	61	20	46.8	0.48	1.0	Mountayn.....	50	—7	20.2	0.24	1.0		
Kishwaukee.....	52	-13	14.1	1.30	9.0	Valparaiso.....	50	-10	18.6	1.70	2.4	Mount Pleasant.....	61	-14	19.4	0.37	2.8		
Knoxville.....	62	-19	18.4	0.74	5.2	Veedersburg.....	58	-14	23.2	0.92	1.5	Mount Vernon.....	59	-14	15.2	0.80	8.2		
Lagrange.....	52	—8	16.6	1.56	18.5	Vevay.....	67	3	31.3	3.35	2.0	New Hampton.....	41	-23	9.9	0.70	6.0		
Laharpe.....	65	-16	20.4	0.90	1.5	Vincennes.....	66	—1	31.5	2.26	0.2	Newton.....	47	-15	15.4	0.74	9.5		
Loamit.....	69	—4	31.1	3.49	1.0	Walla Haute.....	63	-4	28.6	1.32	3.5	Northwood.....	46	-19	10.8	0.88	8.0		
McLeanboro.....	64	-10	26.0*	0.55	0.5	Topoka.....	59	15	46.4	0.20	1.0	Odebolt.....	53	-12	15.1	0.56	5.2		
Martinsville.....	62	—10	26.0*	0.55	0.5	Waukon.....	89	15	46.4	0.20	1.0	Ogden.....	47	-22	11.5	0.26	5.8		
Martinton.....	60	—9	20.1	1.60	10.0	Pauls Valley.....	89	15	46.4	0.20	1.0	Olin.....	57	-14	15.2	1.18	5.2		
Mascoutah.....	67	—3	28.5	1.71	1.3	Ravia.....	83	20	48.4	0.50	1.5	Maple Valley.....	59	—	0.55	0.50	—		
Mattoon.....	—	—	—	1.26	T.	Roff.....	84	13	45.4	0.40	1.0	Maquoketa.....	59	-14	12.1	0.74	6.5		
Minonk.....	59	-16	18.9	1.48	6.5	South McAlester.....	79	19	46.6	0.96	1.5	Marshalltown.....	50	-17	13.1	0.50	5.0		
Monmouth.....	61	-15	18.6	0.80	3.7	Tulsa.....	94	11	44.7	0.15	1.0	Mason City.....	38	-14	11.5	0.77	7.7		
Morrison.....	57	-15	16.8	1.13	10.8	Vinita.....	82	21	45.9	1.69	1.9	Monticello.....	55	-16	13.6	0.95	10.0		
Morrisonville.....	61	-11	24.8	1.14	4.6	Walla Haute.....	62	-16	24.2	0.56	T.	Mountayn.....	50	—7	20.2	0.24	1.0		
Mount Carmel.....	—	—	—	3.50	3.6	Waukon.....	82	12	44.6	0.03	0.3	Mount Pleasant.....	61	-14	19.4	0.37	2.8		
Mount Pulaski.....	60	-12	22.4	1.00	6.0	Pauls Valley.....	89	15	46.4	0.20	1.0	Mount Vernon.....	59	-14	15.2	0.80	8.2		
Mount Vernon.....	69	—9	30.3	2.58	0.5	Ravia.....	84	18	48.8	0.58	3.0	New Hampton.....	41	-23	9.9	0.70	6.0		
New Burnside.....	72	—1	32.6	2.92	4.0	Walla Haute.....	84	18	44.9	T.	Newton.....	47	-15	15.4	0.74	9.5			
Olney.....	64	—5	28.9	2.05	0.2	Walla Haute.....	94	11	44.7	0.15	T.	Northwood.....	46	-19	10.8	0.88	8.0		
Ottawa.....	57	—7	20.4	1.80	18.2	Walla Haute.....	80	16	40.6	0.08	T.	Odebolt.....	53	-12	15.1	0.56	5.2		
Palestine.....	64	-10	27.7	2.30	—	Walla Haute.....	82	12	44.6	0.03	0.3	Ogden.....	47	-22	11.5	0.26	5.8		
Pana.....	61	-10	25.0	1.19	2.0	Walla Haute.....	89	15	46.4	0.20	1.0	Olin.....	57	-14	15.2	1.18	5.2		
Paris.....	59	—9	22.8	1.01	—	Walla Haute.....	84	13	45.4	0.40	1.0	Maple Valley.....	59	—	0.55	0.50	—		
Perola b.....	59	—8	23.0	1.29	10.0	South McAlester.....	79	19	46.6	0.96	1.5	Maquoketa.....	59	-14	12.1	0.74	6.5		
Philo.....	59	-16	22.2	1.25	1.1	Tulsa.....	94	11	44.7	0.15	1.0	Marshalltown.....	50	-17	13.1	0.50	5.0		
Plumhill.....	69	—5	31.1	1.41	T.	Vinita.....	82	15	41.6	0.56	2.1	Mason City.....	38	-14	11.5	0.77	7.7		
Pontiac.....	59	-11	20.4	1.84	12.0	W													

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Kansas—Cont'd.	°	°	°	Ins.	Ins.	Kentucky—Cont'd.	°	°	°	Ins.	Ins.	Maryland—Cont'd.	°	°	°	Ins.	Ins.
Alton	71	— 2	30.0	T.	0.00	Franklin	75	14	38.7	.....	.....	Bachmans Valley	56	— 6	23.8	3.42	3.5
Anthony	70	4	27.4	1.55	0.5	Greensburg	71	8	34.8	2.05	3.0	Boettcherville	65	— 8	27.4	1.00	2.5
Atchison	67	1	23.6	0.25	1.0	Highbridge	68	6	34.8	1.99	3.3	Boonsboro	60	— 1	26.4	1.11	3.2
Baker	69	— 1	28.8	T.	T.	Hopkinsville	73	11	38.0	2.24	2.0	Cambridge	61	— 3	28.7	3.16	4.8
Beloit	73	5	35.0	0.11	0.5	Jackson	69	7	33.8	3.03	2.0	Chase	62	— 2	27.1	2.01	0.8
Burlington	77 ^e	10 ^e	37.67	T.	T.	Leitchfield	74	9	38.9	2.06	4.9	Cheltenham	59	— 3	26.1	2.24	4.8
Chautauque	72	5	31.6	0.05	0.5	Loretto	69	8	33.8	2.34	2.0	Chestertown	58	— 11	23.5	0.34	2.0
Chapman	67	— 1	28.8	0.16	T.	Manchester	69	— 2	34.0	1.67	3.1	Chewsville	63	— 2	23.5	1.65	4.5
Clay Center	85	12	40.0	T.	T.	Marrowbone	74	11	41.0	1.40	1.5	Clearspring	59	— 1	26.8	2.04	5.2
Colby	77	— 4	32.1	0.00	.....	Mayfield	73	13 ^e	36.4 ^e	2.09	1.5	Coleman	62	— 6	25.8	.....	.....
Columbus	80	13	38.2	0.44	1.0	Maysville	71	2	32.0	2.34	3.2	Collegepark	.....	.....	.....	1.69	8.5
Cunningham	87	3	35.8	T.	.....	Middlesboro ^f	79	12	35.6	.....	.....	Colorado	.....	.....	.....	.....	.....
Dresden	73	— 1	31.7	0.00	.....	Mound Sterling	70	6	31.2	2.79	6.2	Cumberland	.....	.....	.....	1.23	.....
Eldorado	78	— 5	36.0	0.03	0.3	Owensboro	70	8	33.1	3.08	2.5	Darlington	57	0	24.6	1.85	4.0
Ellinwood	76	1	33.9	0.01	T.	Owenton	63	1	30.9	4.02	3.5	Dearpark	61	— 13	23.2	1.90	7.0
Emporia	72	5	34.4	0.09	T.	Paducah a	74	10	37.4	2.12	1.0	Denton	58	— 2	29.0	1.79	2.8
Englewood	87	1	38.6	T.	.....	Paducah b	73	12	37.2	1.62	1.0	Easton	59	— 1	25.3	1.99	3.0
Enterprise	70	2	30.9	0.04	T.	Princeton	68	5	34.2	3.13	1.5	Fairdeark	58	— 5	27.2	1.32	1.0
Eureka	—	—	—	0.14	1.0	St. John	65	0	29.0	2.94	1.4	Frederick	62	— 11	22.6	2.40	6.5
Eureka Ranch	78	— 3	31.4	T.	T.	Scott	68	5	34.0	1.97	3.7	Greatfalls	61	— 3	27.0	1.34	.....
Fall River	78	9	36.8	0.07	T.	Shelby City	68	7	33.0	3.29	4.2	Greevespring Furnace	61	— 2	25.2	1.20	3.6
Farnsworth	81	0	34.6	T.	.....	Shelbyville	69	6	33.8	2.81	1.0	Hancock	67	— 5	26.6	0.44	2.1
Forsyth	76	2	32.6	T.	.....	Taylorville	74	12	37.5	1.09	1.4	Harney	—	—	—	1.80	2.8
Fort Leavenworth	69	6	29.8	0.22	2.0	Williamsburg	65	0	30.7	3.05	4.0	Jewell	62	4	28.5	1.84	1.0
Fort Scott	80	10	36.8	0.57	0.8	Williamstown	.....	.....	.....	.....	.....	Johns Hopkins Hospital	55	5	27.7	1.90	3.8
Frankfort	65	— 2	27.4	0.05	0.5	Louisiana	.....	.....	.....	.....	.....	Laurel	62	7	29.5	.....	.....
Garden City	84	1	36.4	T.	T.	Abbeville	83	30	58.2	4.24	.....	McDonogh	60	1	29.6	.....	.....
Gove*	72	3	30.6	0.00	.....	Alexandria	85	23	55.6	2.59	.....	Mount St. Mary's College	55	2	25.6	1.75	1.0
Grenola	80	5	35.2	0.05	0.5	Amite	84	26	57.8	5.70	.....	New Market	56	— 1	25.7	1.38	1.0
Hanover	65	1	28.6	0.02	0.2	Baton Rouge	83	32	58.5	3.22	.....	Oakland	70	— 15	23.9	2.31	12.2
Harrison	69	— 6	26.2	T.	T.	Burnside	82	30	59.6	2.34	.....	Pocomoke City	66	7	32.9	.....	.....
Hays	74	— 1	29.2	0.06	T.	Calhoun	83 ^e	21 ^e	52.5 ^e	2.11	.....	Prince Fredericktown	62	2	28.8	2.22	2.2
Holt	68	1	27.0	0.14	1.0	Cameron	73	29	56.2	0.73	.....	Princess Anne	59	0	29.5	3.06	8.5
Horton	68	2	26.2	0.15	0.5	Caspiana	84	20	56.6	2.28	.....	Sharpsburg	60	3	26.4	1.69	0.5
Hoxie	73	0	32.1	T.	T.	Cheneville	83	20	56.2	1.10	.....	Solomons	61	7	29.7	1.92	5.8
Hutchinson	81	1	31.8	0.10	T.	Clinton	85	27	56.2	5.23	.....	Sudlersville	60 ^f	2	27.5	2.80	2.5
Independence	78	11	39.4	0.16	0.1	Collinston	84	25	52.0	2.23	.....	Takoma Park	62	2	26.0	1.77	.....
Jetmore	85	1	32.6	T.	T.	Covington	84	29	58.0	4.30	.....	Van Bibber	58	3	27.3	2.22	T.
La Crosse	81	1	32.8	T.	T.	Donaldsonville	85	29	60.2	1.86	.....	Westernport	60	—	25.2	1.13	3.5
Lakin	82	— 2	36.4	T.	T.	Emilie	82	32	58.4	2.43	.....	Woodstock	61	2	28.3	1.32	0.3
Lawrence	69	6	30.0	0.22	0.5	Farmerville	81	—	—	2.90	.....	Massachusetts	.....	.....	.....	.....	.....
Lebanon	67	— 5	28.7	T.	T.	Franklin	89	29	60.1	1.20	.....	Amherst	48	— 8	17.4	2.45	10.0
Lebo	69	4	31.4	0.09	0.3	Grand Coteau	83	39	59.4	1.96	.....	Bedford	45	— 9	18.8	2.36	12.0
Macksville	80	3	36.2	T.	T.	Hammond	82	29	58.4	2.57	.....	Bluehill (summit)	47	— 6	19.2	3.72	20.7
McPherson	78	2	31.0	0.07	T.	Houma	84	27	60.4	0.93	.....	Cambridge	47	— 3	20.8	2.76	.....
Madison	73	5	33.5	0.16	0.2	Jennings	83	29	58.5	0.99	.....	Chestnuthill	48	— 8	21.0	2.90	15.0
Manhattan ^b	73	1	30.1	0.10	T.	Lafayette	83	30	58.2	5.20	.....	Concord	46	— 20	16.9	2.16	12.1
Manhattan ^c	74	2	28.5	0.01	T.	Lakeside	80	32	58.8	.....	East Templeton*	44	— 6	18.0	2.12	11.0	
Marion	71 ^e	3 ^e	31.6 ^e	T.	.....	Lawrence	80 ^b	35 ^e	61.0 ^e	0.53	.....	Fall River	50	0	23.4	3.99	13.5
Medicine Lodge	91	7	40.2	T.	.....	Leesville	86	22	56.8	3.33	.....	Fitchburg a*	45	— 4	18.4	2.02	10.5
Minneapolis	70	— 1	30.1	T.	.....	Libertyhill	85	23	54.8	3.70	.....	Fitchburg b	46	— 5	18.9	1.82	10.5
Moran	77	8	35.4	0.19	T.	Logansport	.....	.....	.....	.....	.....	Framingham	48	— 5	20.2	3.00	17.5
Mount hope	76	7	35.8	0.00	.....	Melville	86	24	57.6	0.74	.....	Groton	41	— 10	17.4	1.48	14.0
Ness City	72	1	34.4	T.	.....	Minden	81 ^a	25 ^a	52.8 ^a	1.25	.....	Hyannis	—	—	—	3.43	14.7
Newton	77	1	33.6	T.	T.	Monroe	85	26	53.5	2.56	.....	Jefferson	—	—	—	2.52	11.5
Norton	73 ^e	— 2 ^e	26.6	T.	T.	New Iberia	81	31	59.8	3.22	.....	Lawrence	46	— 13	17.8	2.66	17.5
Norwich	79	5	37.5	T.	T.	Opelousas	83	28	58.2	0.99	.....	Leominster	—	—	—	2.01	11.0
Oberlin	68	5	31.6	0.45	2.0	Oxford	86 ^c	24 ^c	56.2 ^c	.....	.....	Lowell a	46	— 13	19.2	2.48	.....
Olathe	68	— 3	27.4	T.	T.	Plain Dealing	81	22	51.9	1.37	.....	Lowell b	46	— 10	18.9	.....	.....
Osborne	84	11	39.6	0.20	1.0	Port Eads	76	36	59.0	1.79	.....	Ludlow Center	41	— 14	14.2	2.65	11.0
Oswego	84	4	30.6	0.43	0.5	Rayne	83	27	58.2	1.82	.....	Middleboro	50	— 7	22.3	4.13	14.5
Ottawa	71	6	31.3	0.30	0.5	Reserve	—	—	—	—	—	Monson	49	— 10	19.0	3.46	12.5
Paoia ^d	71	6	34.1	0.25	0.5	Roheline	89	23	54.2	3.42	.....	New Bedford	48	— 1	22.0	4.65	19.0
Pleasanton	77	8	35.1	0.25	0.5	Ruston	83	25	54.0	3.25	.....	Pittsfield	—	—	—	2.07	8.5
Pratt	82	3	36.1	T.	.....	St. Francisville	86	24	56.2	2.50	.....	Plymouth ^e	—	—	—	3.61	.....
Republic	68	— 3	27.4	T.	T.	Schriever	85	28	59.8	1.62	.....	Princeton	—	—	—	2.30	13.0
Roane	81	10	39.7	0.11	T.	Southern University	—	—	—	—	—	Provincetown	45	2	26.0	4.48	13.0
Salina	77	0	33.1	0.06	T.	Sugar Experiment Station	78	34	59.8	1.60	.....	Salem	—	—	—	3.08	23.0
Sedan	79	7	37.0	T.	T.	Sugartown	81	30	57.8	1.96	.....	Somerset ^{#1}	48	— 7	21.6	3.50	15.5
Toronto	73	4	34.6	0.95	0.8	Venice	86	30	59.2	0.78	.....	Sterling	—	—	—	2.20	7.4
Ulysses	84 ^b	1 ^b	36.6 ^b	T.	.....	Bar Harbor	45	— 12	15.8	4.05	21.5	Taunton	48	— 12	21.6	2.65	12.0
Valley Falls	70	2	27.6	0.25	0.6	Belfast	43	— 16									

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Michigan—Cont'd.</i>							<i>Minnesota—Cont'd.</i>							<i>Missouri.</i>						
Charlevoix	37	-33	3.4	0.70	7.0		Detroit City	40	-41	-6.6	0.85	10.0		Appleton City	78	10	34.4	0.47	1.5	
Charlotte	48	-13	14.1	1.33	10.8		Faribault	37	-24	5.4	0.48	7.8		Arthur	80	10	35.9	0.37	0.5	
Chatham	35	-30	3.4	2.54	25.0		Farmington	37	-22	3.4	0.80	8.5		Avalon	63	-2	25.8	0.51	2.0	
Clinton	45	-12	15.6	2.52	2.8		Fergus Falls	40	-28	1.8	0.69	6.9		Birchtree	62	-6	22.6	0.23	2.2	
Coldwater	47	-11	15.8	1.50	5.0		Floodwood	37	-38	-0.8	1.12	.....		Blue Springs	72	14	35.9	1.65	T.	
Deer Park	34	-25	4.6	2.40	24.0		Glencoe	35	-25	3.2	1.00	10.0		Boonville	68	6	29.6	0.39	4.8	
Dundee	48	-10	15.6	4.06	7.5		Grand Meadow	40	-18	5.5	0.87	3.0		Carrollton	78	3	28.6	0.50	T.	
East Tawas	41	-20	8.0	2.22	15.9		Hallowell	39	-38	-7.4	0.86	8.6		Brunswick	67	1	24.9	0.58	1.0	
Eloise	45	-14	13.2	.....	.....		Lake Winnibigoshish	35	-36	-3.4	1.11	13.6		Edgewood	70	9	33.4	0.40	2.1	
Fentonville	45	-15	14.0	1.27	10.2		Leech	38	-37	-3.4	0.99	12.6		Edgehill	70	9	2.12	0.2	.....
Fitzburg	45	-18	12.0	3.33	11.0		Long Prairie	39	-35	0.8	0.64	6.8		Eightmile	.....	.....	0.32	0.6	.....
Flint	44	-18	11.4	1.56	7.0		Luverne	37	-18	9.8	0.55	5.5		Fairport	66	0	26.8	0.85	1.0	
Gaylord	40	-27	6.6	1.80	18.0		Lynd	40	-25	6.4	0.61	6.5		Fayette	70	-1	30.4	0.65	2.0	
Gladwin	45	-10	13.8	0.80	.....		Mapleplain	36	-25	3.9	1.23	12.7		Fulton	75	6	33.2	1.15	1.5	
Grand Haven	34	-23	4.2	2.40	24.0		Milaca	35	-29	1.0	0.90	9.0		Gano	82	10	41.0	0.71	T.	
Grand Marais	48	-13	15.6	2.62	4.4		Milan	40	-29	3.4	1.20	12.0		Desoto	66	2	31.5	1.18	0.5	
Grape	42	-28	4.2	3.80	38.0		Minneapolis	35*	-25	4.7	0.82	8.1		Dowling	.....	.....	0.40	2.1	.....
Grayling	48	-20	15.2	3.12	16.9		Montevideo	41	-35	3.6	0.48	4.0		Edgehill	70	9	33.4	0.28	2.0	
Hagar	42	-18	16.9	1.20	7.0		Morris	42	-25	3.3	0.29	3.5		Eightmile	.....	.....	0.28	2.0	.....
Harbor Beach	42	-21	7.2*	1.50	15.0		Mount Iron	32	-35	2.0	1.40	14.0		Fayette	66	0	26.8	0.85	1.0	
Harrison	40	-20	6.6	3.82	38.2		New London	38	-26	3.2	0.32	5.5		Fulton	70	-1	30.4	0.65	2.0	
Harrisville	44	-20	6.6	3.82	38.2		New Richland	38	-20	7.8	0.31	3.1		Gano	75	6	33.2	1.15	1.5	
Hart	35	-22	9.6	2.22	20.7		New Ulm	37	-22	5.0	0.80	8.0		Glasgow	69	1	27.1	1.09	0.5	
Hastings	44	-19	12.8	1.70	11.6		Park Rapids	37	-38	-5.3	1.46	14.6		Gorin	60	-5	32.2	T.	T.	
Hayes	40	-23	8.1	3.30	33.0		Pipe River	38	-40	-3.8	1.30	16.5		Grant City	70	11	36.3	0.50	2.0	
Highland	47	-12	13.8	3.42	11.0		Pipestone	35	-22	7.2	0.20	2.9		Halfway	79	7	28.5	0.36	0.7	
Hillsdale	47	-12	13.8	3.42	11.0		Pleasant Mounds	40	-22	8.1	0.52	6.0		Harrisonville	67	7	28.5	0.60	0.5	
Humboldt	31	-39	-1.8	0.60	6.0		Pokegama Falls	37	-55	-6.8	1.26	14.5		Hazlehurst	.....	.....	0.55	3.5	.....
Ionia	40	-15	9.0*	.....	.....		Redwing a	.....	.....	0.63	1.7	.....		Hermann	71	6	34.8	0.6	.....
Iron Mountain	37	-29	4.2	1.40	14.0		Redwing b	37	-30	4.4	0.60	8.0		Houston	74	11	34.8	1.92	1.5	
Iron River	33	-35	1.4	1.10	12.0		Reeds	.....	.....	0.55	13.2	.....		Huntsville	68	-2	27.4	1.08	1.0	
Ironwood	32	-25	3.2	1.95	19.5		St. Charles	42	-24	7.4	1.80	18.0		Ironhton	70	5	33.2	2.40	0.2	
Ishpeming	28	-29	1.8	1.45	14.5		St. Cloud	37	-23	3.7	0.18	2.5		Jackson	72	3	34.8	3.80	1.5	
Ivan	36	-27	1.2	2.17	23.5		St. Peter	37	-23	6.6	.....	.....		Jefferson City	74	4	29.0	0.50	2.0	
Jackson	48	-12	14.2	2.60	7.5		Sandy Lake Dam	35	-36	-0.6	1.48	19.1		Joplin	79	14	41.0	0.23	0.5	
Jebed	42	-16	11.6	1.86	7.8		Shakopee	36	-27	4.6	1.40	13.0		Kidder	66	-2	24.8	0.49	0.4	
Kalamazoo	47	-13	15.2	1.91	15.6		Tower	36	-45	-1.8	0.30	3.0		Koshkonong	74	14	36.8	1.76	T.	
Lake City	38	-21	6.2	2.90	29.0		Two Harbors	34	-32	1.9	0.63	1.4		Lamar	79	13	37.8	0.19	T.	
Lansing	46	-12	12.2	1.53	9.8		Wabasha	41	-23	7.0	0.51	9.8		Lamonte	78	-2	26.4	0.76	1.0	
Lapeer	46	-17	12.2	.....	.....		Willow River	33	-39	0.1	1.32	15.7		Lebanon	67	6	29.8	0.58	0.2	
Lathrop	29	-30*	2.2	1.50	14.0		Winnebago	38	-20	6.8	0.83	6.5		Lexington	67	6	29.8	0.58	0.2	
Mackinac Island	43	-23	4.8	1.58	15.8		Winona	41	-19	8.2	0.53	8.8		Liberty	68	5	29.6	0.43	0.1	
Mackinaw City	40	-25	2.4	1.95	19.5		Wyoming	.....	.....	1.70	17.0	.....		Lockwood	.....	.....	0.10	T.	.....
Manocelona	36	-33	4.1	1.10	10.0		Zumbrota	36	-22	5.6	.....	.....		Louisiana	68	-7	26.4	1.59	7.3	
Manistee	38	-27	10.6	4.70	47.0		<i>Mississippi.</i>	.....	.....	.....	.....	.....		Macon	68	-5	26.0	0.62	1.6	
Marine City	44	-13	14.4	1.09	0.7		Aberdeen	80	23	46.8	1.57	.....		Marblehill	72	3	34.9	3.24	0.3	
Menominee	39	-19	6.4	1.61	16.1		Agricultural College	23	49.5 ^e	1.88	.....	.....		Marshall	69	5	28.3	0.97	0.4	
Midland	42	-21	13.9	1.35	13.0		Austin	80	20	47.2	1.57	.....		Maryville	57	-2	20.2	0.16	1.2	
Mio	38	-25	4.7	1.65	15.7		Batesville	79	21	46.2	1.21	.....		Mexico	69	-2	26.8	1.09	1.8	
Montague	40	-18	10.6	1.30	8.0		Bay St. Louis	79	31	57.5	4.03	.....		Miami ⁶	67	4	27.3	0.73	1.7	
Mount Clemens	50	-12	14.6	2.30	18.0		Biloxi	78	33	58.0	3.17	.....		Mineral Springs	71	11	38.4	0.17	0.8	
Mount Pleasant	45	-21	9.8	.....	.....		Booneville	75	22	46.8	1.64	.....		Monroe City	68	-8	24.8	1.21	3.6	
Muskegon	51	-18	13.1	2.95	25.0		Canton	82	26	53.2	2.07	.....		Montreal	79	0	34.6	0.63	3.1	
Newberry	31	-29	2.2	.....	.....		Columbus	78	25	47.5	1.50	.....		Mountaingrove	74	11	34.8	1.34	3.0	
Old Mission	38	-17	7.8	3.06	32.0		Corinth	74	23	43.4	2.33	.....		Mount Vernon	80	12	37.4	0.98	T.	
Olivet	47	-12	13.4	2.10	9.0		Crystal Springs	83	28	53.0	3.16	.....		Neosho	80	14	41.4	0.74	0.5	
Omer	40	-40	3.6	1.40	8.0		Duck Hill	81	23	50.4	2.54	.....		Nevada	84	-2	31.8	0.82	0.7	
Oneway	35	-24	4.4	1.71	10.0		Edwards	82	27	52.6	2.05	.....		New Haven	72	2	31.8	0.82	0.7	
Ovid	42	-14	11.6	1.71	10.0		Fayette	83	26	53.6	2.17	.....		New Madrid	67	7	32.3	0.53	1.7	
Owosso	42	-23	10.0	.....	.....		Fayette (near)	.....	.....	2.53	.....	.....		New Palestine	67	-2	31.4	0.80	2.8	
Petoskey	37	-22	4.0	1.52	13.5		Greenvale a	79	28	51.2	1.23	.....		Oakfield	72	-2	31.4	0.80	2.8	
Plymouth	45	-12	14.6	0.75	6.0		Greenvale b	81	26	49.4	1.23	.....		Olden	75	12	37.6	1.09	0.6	
Port Austin	45	-16	9.6	3.00	28.0		Greenwood	84	25*	51.0*	1.83	.....		Oregon	62	0	24.1	0.12	1.0	
Powers	34	-28	3.0	1.10	11.0		Hattiesburg	83	26	54.8	4.57	.....		Pine Hill	.....	.....	2.60	T.	.....
Reed City	40	-28	6.8	1.63	17.8		Hazlehurst	83	28	53.2	3.45	.....		Princeton	65	-4	21.8	0.35	3.3	
Rosecommon	38	-35*	1.4*	3.50	2.7															

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature, (Fahrenheit.)			Precipita-tion.			Stations.	Temperature, (Fahrenheit.)			Precipita-tion.			Stations.	Temperature, (Fahrenheit.)			Precipita-tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Montana—Cont'd.</i>	°	°	°	In.	In.		<i>Nebraska—Cont'd.</i>	°	°	°	In.	In.		<i>Nevada—Cont'd.</i>	°	°	°	In.	In.	
Dillon	54	-2	28.4	2.14	15.4		Imperial	74	-8	29.0	0.02	0.5		Potts	60	-15	30.4	0.37	4.5	
Ekalaka	45	-20	14.0	.....	.....		Johnstown	71	-2	26.8	0.04	0.4		Reno State University	60	9	38.0	4.99	2.0	
Fort Benton	46	-24	7.9	0.70	7.0		Kearney	68	-10	22.8	0.15	1.0		Sodaville	73	11	41.1	0.21	.....
Fort Harrison	57	-14	20.0	.....	.....		Kimball	73	-6	32.1	0.49	4.0		Toano * ¹	49	-14	27.2	0.35	.....
Fort Logan	52	-20	18.8	0.55	.....		Kirkwood	65	-12	20.6	0.48	2.7		Wabuska	65	0	38.2	1.05	.....
Glasgow	40	-34	1.5	0.55	.....		Leavitt	64	-6	20.7	0.00	.....		Wadsworth * ¹	68	14	44.6	2.36	.....
Glendive	40	-30	1.6	0.40	4.0		Lexington	73	-5	25.8	0.15	1.5		Wells * ¹	51	-7	33.4	1.65	12.0	
Great Falls	52	-16	15.1	0.51	4.9		Lockridge	66	-7	23.3	T.	.....		Wood	58	-3	32.6	3.84	.....
Lamedeer	52	-26	15.4	1.60	16.0		Lodgepole	72	-5	30.4	0.20	2.0		<i>New Hampshire.</i>						
Lewistown	48	-21	16.5	1.15	11.5		Loup	73	-8	24.8	T.	.....		Alestead	43	-10	15.7	1.77	10.1	
Livingston	51	-18	26.4	1.80	21.5		Lynch	64	-14	19.4	0.50	5.0		Bartlett				2.75	22.5	
Marysville	47	-15	17.0	2.17	25.0		Mc'Cook							Berlin Mills	46	-25	11.2	1.58	13.5	
Missoula	49	-2	29.0	1.57	11.0		McCool Junction							Bethlehem	47	-20	12.0	1.30	10.0	
Ovando	43	-18	20.0	1.70	17.0		Madison	59	-11	18.4	0.35	3.5		Brookline * ¹	48	-14	17.9	2.45	12.8	
Parrot	51	-15	24.4	1.88	18.8		Madrid	74	-6	31.4	0.20	2.0		Chatham	42	-24	10.4	1.60	16.5	
Philipsburg	55	-10	25.6	1.27	12.7		Marquette							Concord	46	-15	14.6	1.81	15.3	
Plains	56	12	32.4	1.70	17.0		Mason							Durham	46	-7	16.4	3.28	14.8	
Poplar	38	-29	0.8	0.16	1.5		Minden	70	-7	25.5	0.11	1.1		Franklin Falls	45	-12	14.6	1.79	17.5	
Red Lodge	51	-11	21.2	1.57	22.5		Monroe							Grafton	43	-18	13.0	1.88	12.5	
Ridgeglen	40	-23	3.3	0.75	7.5		Nebraska City c	58	-5	22.1	0.05	0.5		Hanover	46	-17	13.3	1.06	10.1	
St. Pauls	51	-20	13.6	0.62	15.0		Nemaha							Jefferson Highlands				1.22	14.0	
Toston	53	-18	21.2	1.70	17.0		Norfolk	61	-14	17.4	0.21	2.5		Kenne	46	-12	15.6	1.45	9.5	
Troy	48	4	30.6	3.64	25.0		North Loup	72	-8	23.7	0.13	1.3		Littleton	42	-18	12.4	1.48	5.5	
Twin Bridges	51	-14	24.8	1.10	11.0		Oakdale	60	-14	16.7	0.30	2.9		Nashua	46	-11	16.8	1.99	16.5	
Two Dot	47	-22	17.4	2.87	28.5		Odell							Newton	45	-10	16.2	2.33	25.5	
Utica	49	-19	18.2	0.22	4.0		O'Neill	65	-13	19.0	0.70	.....		North Stratford				1.60	20.1	
Wibaux	46	-28	12.0	.....	.....		Ord							North Woodstock				2.56	.....
Wolf Creek	49	-15	20.8	0.75	9.5		Palmer							Plymouth	41	-15	13.4	1.82	18.4	
Wolsey	44	-25	16.3	2.77	33.0		Pawnee City	63	-5	24.8	0.13	0.5		Stratford	43	-20	10.0	1.36	12.0	
Yale	43	-24	14.3	1.60	16.0		Plattsburgh b							<i>New Jersey.</i>						
<i>Nebraska.</i>							Purdum	70	-17	23.8	0.10	1.0		Asbury Park	63	1	26.5	2.67	6.2	
Agate	65	-23	27.0	0.16	5.5		Ravena ^a	71	-4	24.8	0.02	0.2		Barnegat	65	1	27.4	2.99	5.5	
Agree * ¹	58	-14	15.1	0.54	.....		Redcloud	76	-2	25.0	0.10	1.0		Bayonne	50	0	24.8	2.07	4.5	
Albion	63	-10	20.7	0.10	1.0		Republican							Belvidere	46	-4	23.2	2.06	5.0	
Alliance	68	-16	30.8	0.07	0.7		Rulo							Bergen Point	53	-10	24.2	2.48	8.2	
Alma	73	-7	28.0	0.07	0.7		St. Libory							Beverly	59	1	26.2	2.08	6.2	
Ansley	64	-9	24.2	0.12	1.2		St. Paul	63	-6	24.4	T.	T.		Blairstown	45	-6	21.5	2.10	4.0	
Arapahoe				T.	T.		Salem							Bridgeton	61	0	27.4	2.84	4.0	
Aradia				T.	T.		Santee	56	-14	18.0	0.34	3.6		Canton				2.35	.....
Ashland a	63	-7	21.7	0.05	0.5		Schuyler							Cape May C. H.	61	4	27.8	1.62	4.2	
Ashland b							Seward	65	-8	23.0	0.12	1.0		Charlotteburg	53	-7	20.2	3.03	8.0	
Ashton							Smithfield							Chester	49	-6	21.4	2.69	7.0	
Auburn	60	-5	24.2	0.21	1.0		Spragg							Clayton	61	-5	26.0	2.33	.....
Aurora	64	-6	27.0	T.	T.		Springview	63	-15	19.0	0.25	0.5		College Farm	56	-3	24.6	2.52	1.5	
Bartley	73	-8	27.8	0.05	1.0		Stanton	60	-10	19.4	0.32	3.2		Dover	49	-3	20.4	2.59	5.5	
Beatrice	65	0	25.5	0.00	.....		Strang							Elizabeth	53	0	25.0	2.62	4.0	
Beaver	73	-3	29.5	0.05	0.5		Stratton							Englewood	50	2	24.0	2.43	4.0	
Bellevue							Superior	67	-5	22.2	T.	T.		Flemington	54	-5	24.8	2.93	5.5	
Benedict							Tyrone							Friesburg	62	-5	25.8	2.71	3.9	
Benkelman							Wacipi							Hightstown	56	0	26.8	2.77	4.5	
Blair	60	-10	18.2	0.09	1.3		Wahowah							Indian Mills	62	-1	26.5	2.51	4.5	
Bluehill							Wakefield	58	-15	16.2	0.25	2.5		Lakewood	65	0	26.6	2.47	6.5	
Bradshaw							Wallace							Lambertville	53	1	25.6	2.50	6.5	
Bridgeport	68	-3	30.7	0.05	0.5		Wauneta							Layton	45	-16	19.2	1.36	.....
Broken Bow	74	-6	26.2	T.	T.		Weeping Water							Moorestown	59	0	25.6	2.40	7.6	
Burchard							Westpoint	61	-10	18.6	0.08	0.8		Newark	54	-1	24.0	2.67	5.5	
Burwell							Wilber							New Brunswick	55	0	25.6	3.09	5.9	
Callaway	74	-6	27.0	T.	T.		Wilsonville	60	-3	21.7	0.20	1.7		Newton	45	-5	20.4	2.02	3.0	
Central City							University Farm	63	-7	22.6	0.10	.....		Oceanic	63	-1	25.8	2.27	6.0	
Chester							Wahoo							Pateroson	51	1	25.8	2.90	5.5	
Cody							Wakota							Pemberton	60	-2	24.7	2.48	6.0	
Columbus	64	-6	20.2	0.02	0.5		Weeping Water							Phillipsburg	47	-2	22.7	2.07	6.1	
Crete	63	-5	23.6	0.07	0.7		Westpoint	61	-10	18.6	0.08	0.8		Pleasantville	50	0	24.0	2.79	5.9	
Crookston							Wilber							Ramocas				2.06	4.4	
Culbertson	73	-5	29.1	0.12	2.0		Wilsonville	60	-16	17.2	0.10	2.0		Rivervale	51	-8	22.4	2.66	10.0	
Curtis							Winnebago	60	-16	17.2	0.10	2.0		Salem	59	1	27.6	2.19	3.6	
David City	61	-8	21.3	0.05	0.8		Wisner							Sandy Hook	55	1	25.4	2.47	6.2	
Dawson	62	-2	25.6	0.05	0.5		Wymore	66	-7	25.2	T.	T.		Somerville	49	0	23.8	2.81	6.0	
Edgar							York	66	-7	25.2	T.	T.		South Orange	52	0	23.4	3.05	6.0	
Ericson														Trenton	48	-4	21.6	1.87	4.0	
Fairbury	66	-7	23.3	0.19	2.0									Tuckerton	57	2	29.9	2.61	2.0	
Fairmont	67	-9	21.2	0.15	1.0									Vineyard	58	2	26.8	2.73		

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.			Temperature. (Fahrenheit.)			Precipita- tion.			Temperature. (Fahrenheit.)			Precipita- tion.			Stations.			Temperature. (Fahrenheit.)			Precipita- tion.				
Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			
New Mexico—Cont'd.	°	°	°	Ins.	Ins.	New York—Cont'd.	°	°	°	Ins.	Ins.	North Dakota—Cont'd.	°	°	°	Ins.	Ins.	Ohio.	°	°	°	Ins.	Ins.		
Mountainair	72	2	40.6	T.	T.	Shortsville	55	-10	17.0	2.11	12.7	Kulm	40	-30	-0.4	0.54	9.7	Akron	56	-28	-2.2	0.60	6.0		
Raton	72	9	37.5	0.00	1.4	Skaneateles	48	1	25.0	2.94	9.0	Larimore	38	-28	-2.2	1.30	13.0	Bangorville	58	-10	21.2	3.27	3.5		
Roswell	88	12	48.7	0.14		Southampton	50	-10	16.3	2.94	14.7	McKinney	36	-42	-7.0	0.60	6.0	Bellefontaine	60	-8	21.0	2.85	4.0		
San Marcial	85	12	48.4	T.	T.	South Butler	55	-9	16.2	3.85	18.5	Manfred	39	-30	-1.1	0.55	5.5	Bladensburg	62	-18	23.0	2.85	4.6		
Strauss				T.	T.	South Canisteo	52	-11	15.0	3.10	9.0	Mayville	40	-29	-2.3	0.91	9.2	Cadiz	60	-8	23.8	1.02	10.0		
Taos	67	6	36.8	0.90	7.6	Southeast Reservoir	48	-19	11.4	1.83	16.7	Medora	48	-26	5.8	0.50	5.0	Cambridge	72	-13	25.2	1.67	2.0		
Winsors	61	0	33.4	0.82	8.2	South Kortright	52	-11	15.0	1.67	9.0	Milton	35	-41	-10.6			Camp Dennison	66	-2	28.8	2.55	4.1		
New York.						South Schroon	48	-19	11.4	2.10	11.5	Minnewaukon	39	-30	-2.6	0.57	5.7	Canal Dover	57	-17	22.4	3.31	4.5		
Adams				6.80	62.5	Spier Falls	50	-15	13.4			Minot	40	-34	-1.8	0.15	1.5	Canton	57	-8	21.3	3.06	7.4		
Addison	58	-10	18.4	1.56	8.5	Straits Corners	55°	-11°	15.0°			Napoleon	38	-31	-2.8	0.35	4.0	Clifton	65	-5	24.5	2.00	5.0		
Akron				2.80		Ticonderoga	50	-21	12.0	1.18	12.0	Pembina	41	-38	-9.8	0.70	7.0	Hudson	66	-6	29.0	2.05	4.6		
Alden	52	-10	15.8	2.74	18.6	Volusia	50	-13	15.4	3.99	20.0	Portland	33	-33	-7.0	0.40	4.0	Power	43	-31	-2.2	0.85	8.5		
Amsterdam	51	-10	13.6	1.91	10.5	Wappinger Falls	47	-10	18.2	2.66	12.0	Steele	36	-29	-1.2	0.55	5.9	University	37	-26	-0.1	1.10	11.0		
Angelica	46	-18	15.8	1.48	12.7	Warwick						Wahpeton	38	-23	4.0	0.30	3.0	Willow City	37	-35	-6.4	0.80	8.0		
Appleton	56	-4	16.6	2.32		Watertown	44	-22	12.1	3.27	21.5	Ohio.													
Arcade	50	-13	13.9	4.17	25.8	Waverly	58	-8	19.2	1.53	6.3	Akron	56	-11	20.2	3.62	6.8								
Athens	46	-7	18.1	1.22	5.9	Wedgewood	49	-10	15.0	1.77	8.5	Atwater				3.21	3.5								
Atlanta	56	-11	16.4	2.39	10.0	Wells	49	-23	11.8	2.54	17.7	Bangorville	58	-8	21.0	3.27	3.5								
Auburn	54	5	17.7	1.89	8.0	West Berne	53	-17	14.4	1.72	9.0	Bellefontaine	60	-8	21.0	3.18	4.3								
Avon	55	-8	16.6	2.46	12.0	Westfield b	54	-11	16.6	3.03		Bladensburg	62	-18	23.0	2.85	4.6								
Baldwinsville	49	-8	16.3	3.23	22.0	Windham	55	-9	16.6	1.27	5.6	Bowling Green	52	-8	19.0	2.91	2.5								
Ballston Lake	44	-12	13.8	1.40	9.0	Youngstown						Cadiz	60	-8	23.8	7.00	6.7								
Beaver				4.00	20.0	North Carolina.					Cambridge	72	-13	25.2	1.67	2.0									
Bedford	50	-4	22.8			Brevard	70	3	38.0	2.92	T.	Camp Dennison	66	-2	28.8	2.55	4.1								
Berlin	48	-9	17.5	2.70	13.0	Brewers	74	1	35.2	2.95	2.0	Canal Dover	57	-17	22.4	3.31	4.5								
Blue Mountain Lake				3.00	20.0	Bryson City	76	12	36.0	4.55	2.0	Canton	57	-8	21.3	3.06	7.4								
Bolivar	53	-17	16.0	3.04	14.5	Chapelhill	79	12	37.6	5.91	6.0	Cardington	60	-17	21.4	3.44	6.1								
Boyd's Corners	47	-14	13.3	3.24	17.0	Currituck	78	17	41.4	4.46	1.0	Circleville	67	-3	27.6	2.81	10.5								
Brockport	49	-5	16.3	2.74	16.5	Fayetteville	78	17	41.4	4.46	1.0	Clarendon	69	-1	29.2	2.69	10.6								
Caldwell	48	-21	13.0	3.00	14.0	Goldsboro	78	17	38.3	4.63	3.9	Clarksville	64	-4	27.1	2.18	1.6								
Canajoharie	53	-14	13.6	1.30	10.5	Graham	69	12	35.0	3.88	2.5	Cleveland	57	-8	19.5	3.00	7.5								
Cape Vincent	38	-22	8.9	2.98	21.2	Greensboro	74	11	35.8	3.98	7.5	Clinton	57	-8	18.6	2.33	6.5								
Carmel	51	-8	17.8	3.39	10.0	Henderson	73	3	37.2	3.80	0.3	Coatlon	65	-5	24.5	2.00	5.0								
Carvers Falls	43	-25	10.7	1.22		Hendersonville	70	13	39.2	3.75	0.3	Crooksville	70	-6	29.0	1.65	5.0								
Chazy	40	-18	9.1	0.90	9.0	Hot Springs	72	12	39.0			Dayton a	64	-6	25.4	2.53	7.2								
Cooperstown	49	-11	13.9	3.00	15.2	Jefferson	71	1	34.0	2.56	2.2	Dayton b	64	-6	25.4	2.53	7.2								
Cortland	53	-9	15.8	2.10	6.0	Kinston	75	17	38.2	4.10	0.2	Delaware	62	-13	21.8	3.27	3.5								
Cutchogue	49	2	24.7	3.61	7.0	Kittyhawk	72	14	39.5	4.08	4.0	Demco	68	-7	26.0	1.25	2.0								
Deansboro				2.55	15.5	Lenoir	75	5	36.6			Elyria	58	-10	20.2	1.48									
Dekalb Junction	44	-23	8.0	1.97	13.5	Linville	63	-1	31.1	2.97	3.0	Findlay	55	-7	21.0	2.84	2.0								
De Ruyter	47	-11	14.3	2.83	12.9	Littleton	75	7	33.8	3.95	7.5	Frankfort	69	-12	26.6	2.06	9.0								
Easton				2.19	13.0	Louisburg	75	9	36.7	4.62	4.0	Fremont	54	-7	20.3	4.18	3.5								
Elba	50	-10	15.8	4.13	21.0	Lumberton	73	19	39.0	4.44	1.0	Garrettsville	58	-15	19.8	3.20	7.0								
Elmira	58	-7	18.6	2.21	6.2	Marion	70	8	38.1	3.36	1.0	Granville	58	-11	24.1	4.46	3.7								
Fayetteville	58	-12	15.8	1.92	11.0	Marshall	73	5	40.4	1.72	1.1	Gratiot	63	-9	23.4	2.38	5.6								
Franklinville	52	-16	14.4	4.61	20.8	Mocksville	76	8	38.0	4.41	2.5	Green	72	-1	31.1	4.45	2.0								
Gabriels	48	-25 ^a	9.4 ^a	1.59	19.5	Moneure	76	8	38.0	4.45	0.5	Greenfield	66	-1	28.1	1.60	5.0								
Gansevoort				2.63	14.0	Mourroe	75	13	38.6	4.15	0.5	Greenhill	58	-13	20.2	3.15	7.6								
Glens Falls	46	-18	11.6	2.27	11.5	Morgantown	71	5	38.6	3.73	1.6	Greenville	60	-5	22.6	2.56	6.5								
Gloversville	48	-16	11.8	2.97	17.8	Mountairy	67	3	34.3	4.13	2.0	Hanging Rock	73	-2	32.0	2.22	4.5								
Greenwich	45	-18	13.2	1.40	9.0	Murphy	78	17	39.1	3.93	1.4	Hedges	51	-12	19.0	2.46	3.8								
Griffin Corners	51 ^d	-11	14.6	1.75	2.2	Newbern	78	2	35.0	2.46	3.0	Hillhouse	58	-16	15.8	2.52	6.5								
Harkness	45	-15	10.7	0.93	6.8	Patterson *	64	6	33.6	2.90	1.0	Hiram	56	-12	18.6	2.14	5.5								
Haskinville				1.74	9.2	Reidsville	77	19	43.6	3.05	1.0	Hudson	55	-16	17.8	2.75	4.0								
Heulock	54	-7	16.6	1.25		Amenia	43	-28	-0.4	0.50	5.0	Jacksonboro	64	-4	25.7	2.31	3.0								
Indian Lake	49	-25	11.0	2.23	14.1	Ashley	36	-35	-2.0	0.80	8.0	Mansfield	60	-10	20.0	3.71	7.1								
Ithaca	56	-7	17.0	1.40	8.8	Berlin	38	-33	-3.6	0.64	6.4	Marietta	68	0	30.0	1.82	6.5								
Jamestown	53	-12	16.8	3.31	16.7	Bethel	35	-37	-6.8	0.81	8.1	Medina	55	-17	19.0	3.86	4.6								
Jeffersonville	48	-15	16.2	2.04	8.1	Bethel	35	-29	-2.0	1.72	17.2	Milfordton	59	-11	22.2	2.74	6.7								
Keeve Valley	53	-18	12.9	1.75	7.2	Bethel	37	-32	-7.3	0.60	6.0	Milligan	67	-17	25.8	2.09	7.0								
Le Roy	53	-8	18.0	2.80	15.1	Bethel	38	-37	-5.4	0.55	5.5	Millport	60	-14	21.1	3.11	7.5								
Liberty	46	-11	14.4	2.24	11.0	Bethel	38	-30	-3.1	0.45	4.5	Montpelier	49	-10	17.4	4.39	3.0								
Littlefalls, City Res.	49	-13	12.0	2.28	12.5	Bethel	37	-30																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>	<i>Oregon—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>	<i>Pennsylvania—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>
Portsmouth a.....	71	—	31.4	1.90	3.0	John Day	59	7	39.0	1.65	5.5	Renovo a.....	58	—	4	21.3	2.53
Portsmouth b.....	64	—	27.8	1.95	4.5	Joseph	52	—	29.5	2.80	27.0	Saegerstown.....	58	—	18	18.4	3.28
Pulse.....	61	—	14	21.8	2.36	Kerby	59	25	39.6	30.83	9.0	St. Marys	50	—	11	17.0	2.82
Richwood.....	57	—	9	21.0	4.20	Klamath Falls	47	0	30.8	4.60	11.0	Saltsburg.....	57	—	18	3.34	7.0
Rittman.....	55	—	12	18.0	3.52	Lagrange	54	9	34.4	2.46	10.0	Seisborthzville.....	57	—	10	22.0	3.76
Rockyridge.....	57	—	12	19.2	3.49	Lakeview	47	2	28.6	5.45	23.5	Selinsgrove	57	—	10	22.0	3.76
Shenandoah.....	63	—	7	23.4	2.10	Langlois	56	28 ^t	45.6 ^t	20.17	5.5	Shawmont	57	—	10	22.0	3.76
Sidney.....	64	—	6	25.8	1.72	Lonrock	59	7	36.1	2.27	5.5	Skidmore	60	—	13	21.2	2.34
Somerset.....	54	—	2	20.6	2.14	McKenzie Bridge	55	18	35.7	18.59	5.5	Smiths Corners	55	—	27	16.6	2.18
Springfield.....	73	—	2	30.6	1.95	McMinaville	56 ^t	24	40.0 ^t	12.34	5.2	Somerset	48	—	11	18.9	4.29
Thurman.....	57	—	8	20.2	2.99	Meacham	57	—	—	4.60	20.2	South Eaton	57	—	4	18.1	1.67
Tiffin.....	59	—	9	20.8	3.71	Mouroe	56	25	40.8	2.25	3.0	State College	58	—	8	19.3	3.28
Upper Sandusky.....	51	—	6	20.0	2.14	Mount Angel	56	29	40.4	9.62	1.5	Sunbury	57	—	1	25.6	2.85
Urbania.....	54	—	11	18.4	2.83	Nehalem	55	31	43.2	13.92	4.0	Swarthmore	57	—	5	19.6	1.08
Vickery.....	54	—	9	20.4	3.47	Newport	55	19	40.4	5.48	9.0	Towanda	53	—	5	19.6	1.08
Warren.....	50	—	9	17.4	3.23	Ontario	49	—	26.6	3.57	32.0	Trotrun	63	—	3	27.0	1.61
Wauseon.....	69	—	3	29.6	2.02	Pine	56	8	36.0	1.19	6.0	Uniontown	57	—	11	18.4	2.47
Waverly.....	69	—	3	24.1	2.08	Riverside	53	—	—	1.05	—	Warren	54	—	5	19.0	8.5
Waynesville.....	57	—	11	20.6	3.57	Salem	55	30	41.4	9.47	0.9	Westchester	56	0	4	24.8	2.53
Wellington.....	57	—	12	19.2	4.2	Sparta	48	6	28.5	4.35	42.0	West Newton	54	—	3	21.0	3.04
Willoughby.....	50	—	5	29.6	2.32	Stafford	55	27	39.4	12.06	—	Wilkesbarre	52	—	3	21.9	2.0
Wilson.....	57	—	10	20.5	3.90	The Dalles	52	21	36.6	4.50	26.5	Williamsport	58	—	1	25.8	1.08
Zanesville.....	57	—	10	20.5	1.85	Toledo	55	28	42.4	16.81	0.5	York	58	—	1	25.8	1.08
<i>Oklahoma.</i>	92	7	43.3	T.	T.	<i>Pennsylvania.</i>	56	15	39.7	1.46	0.5	<i>Rhode Island.</i>	45	2	23.5	3.20	8.5
Arapaho.....	92	5	48.1	0.00	0.05	Aleppo	63	—	24.0	2.12	12.0	Bristol	48	—	4	21.6	4.21
Beaver.....	90	5	38.9	0.05	Altoona	60 ^t	—	22.2 ^t	2.39	—	Kingston	46	—	4	22.2	3.75	
Binger.....	91	10	45.2	0.15	Athens	55	—	6	18.8	1.15	Pawtucket	50	2	23.7	3.38	13.0	
Blackburn.....	90	15	43.6	T.	T.	Beaver Dam	65	—	5	25.9	2.51	Providence a	50	—	1	21.8	3.14
Chandler.....	88	14	42.8	0.08	Bellefonte	63	—	10	1.70	6.2	Providence c	50	—	1	21.8	3.14	
Cleo.....	94	4	44.0	0.00	Brookville	63	—	3	28.1	1.90	<i>South Carolina.</i>	76	22	46.2	3.59	T.	
Cloud Chief.....	92	5	44.6	T.	T.	California	63	—	6	20.4	1.90	Aiken	73	28	45.3	3.21	T.
Eldorado.....	98	6	48.1	0.00	Cassandra	58	—	10	20.4	3.41	Allendale	73	23	45.3	3.21	T.	
Enid.....	85	10	40.2	T.	T.	Centerhall	57	—	8	20.2	2.07	Anderson	82	21	43.4	3.12	0.5
Fort Reno.....	93	10	45.8	0.20	Clarion	55	—	0	2.78	9.4	Barksdale	71	20	41.9	3.79	T.	
Fort Sill.....	92	14	47.2	T.	T.	Coatesville	56	—	12	21.6	1.31	Batesburg	75	20	44.0	4.71	0.9
Guthrie.....	88	14	43.2	0.05	Coudersport	54	—	16	16.0	2.24	Beaufort	75	26	50.8	4.60	T.	
Harrington.....	91	7	44.0	T.	T.	Confluence	56	—	—	2.52	3.5	Benettsville	78	21	44.4	2.97	1.5
Hennessey.....	92	11	49.2	T.	T.	Davis Island Dam	65	—	11	25.7	12.8	Blackville	77	22	46.0	4.08	T.
Hobart.....	88	8	40.3	0.00	Derry	65	—	10	20.4	3.41	Bowman	78	24	47.0	3.72	T.	
Jefferson.....	81	8	40.3	0.00	Doylestown	58	—	10	20.4	3.41	Calhoun Falls	75	20	41.0	3.90	T.	
Jenkins.....	88	5	41.6	T.	T.	Diamond	57	—	8	20.2	2.07	Camden	75	23	45.3	3.21	T.
Kenton.....	81	3	42.6	T.	T.	Ellwood Junction	57	—	12	21.6	1.31	Cheraw a	73	23	45.3	3.21	T.
Kingfisher.....	91	12	44.8	0.10	T.	Emporium	57	—	6	20.0	3.09	Cheraw b	73	23	45.3	3.21	0.1
McComb.....	87	15	45.9	0.07	Ephrata	54	—	1	23.4	1.64	Clarks Hill	73	23	45.3	3.21	2.1	
Mangum.....	95	10	46.5	T.	Everett	63	—	6	20.0	1.90	Clemson College	81	15	42.4	3.87	T.	
Meeker.....	85	14	47.0	0.10	Franklin	59	—	14	20.4	3.87	Conway	79	20	44.8	3.52	T.	
Newkirk.....	81	11	41.4	0.00	Freeport	59 ^t	—	12	23.1	2.73	Darlington	76	19	44.6	3.57	T.	
Norman.....	90	14	46.4	0.06	Gettysburg	54	0	25.3	1.72	2.0	Dillon	77	20	45.9 ^t	3.20 ^t	T.	
Pawhuska.....	82	11	41.6	0.00	Girardville	54	—	12	20.0	3.60	Due West	73	22	41.6	3.79	T.	
Perry.....	89	10	43.1	T.	T.	Gordon	54	—	16	16.8	3.09	Effingham	75	—	—	4.34	T.
Sac and Fox Agency.....	88	16	41.8	0.09	Grampian	45	—	2	23.1	1.53	Florence	86	22	45.8	3.34	T.	
Shawnee.....	89	15	42.5	0.09	Greensburg	58	—	9	20.4	3.36	Gaffney	68	16	38.9	3.02	T.	
Stillwater.....	90	12	42.1	0.07	Greenville	58	—	22	2.8	2.33	Gillisonville	81	21	48.7	3.81	T.	
Taloga.....	93	5	41.2	0.00	Herr's Island Dam	68	—	18	18.8	4.80	Greenville	71	16	37.6	4.18	T.	
Temple.....	92	11	48.6	0.07	Huntingdon a	59	—	5	23.0	2.39	Greenwood	71	22	40.8	4.43	T.	
Watonga.....	92 ^t	8 ^t	43.3 ^t	0.00	Huntingdon b	51	—	12	20.2	3.10	Heath Springs	70	18	38.6	3.16	T.	
Waukomis.....	91	9	45.0	0.02	Indiana	51	—	12	20.2	3.10	Kingstree a	76	20	46.4	3.78	T.	
Weatherford.....	90	9	41.4	T.	Loyalty	50	—	12	23.1	2.91	Kingstree b	76	20	46.4	3.78	T.	
Whiteagle.....	83	11	42.6	0.00	Irwin	59	—	10	21.6	3.00	Liberty	70	16	41.0	3.65	T.	
Woodward.....	90	3	40.7	T.	Johnstown	62	—	5	24.0	3.75	Little Mountain	74	21	42.8	3.43	2.3	
<i>Oregon.</i>	56	26	40.4	12.20	Keating	57	0	25.2	2.21	6.6	Lugoff	76	20	40.2	4.32	T.	
Albany.....	56	21	38.2	2.68	Kennett Square	57	—	0	25.2	2.21	Newberry	73	22	42.5	4.18	T.	
Alpha.....	61	24	40.3	5.89	Lansdale	58	—	9	20.4	3.36	Pinopolis ^t	72	26	47.6	4.60	T.	
Arlington.....	57	21	38.2	6.0	Hamburg	54	—	22	2.8	2.33	St. Georges	76	24	46.2	4.32	T.	
Ashland.....	61	24	40.3	4.1	Hawthorn	68	—	18	18.8	4.80	St. Matthews	74	23	45.2	4.81	T.	
Astoria.....	54	28	40.4	13.80	Herries Island Dam	58	—	—	2.13	3.0	Smiths Mills	73	22	42.5	4.06	T.	
Aurora (near).....	56	27	39.8	10.13	Huntingdon a	59	—	5	23.0	2.39	St. Stephens	73	20	44.0	3.28	1.5	
Bay City.....	53	28	40.4	17.91	Huntingdon b	51	—	12	20.2	3.10	Saluda	73	20	44.0	3.28	0.8	
Bend.....	57	4	35.4	4.27	Indiana	51	—	12	20.2	3.10	Santuck	74	17	41.0	3.92	T.	
Beulah.....	53	—	33.6	0.90	Irwin	59	—	10	25.4	2.24	Summerville	79	22	45.4	4.87	T.	
Blackbutte.....	44	28	36.3	17.32	Linton	62	—	5	24.0	3.75	Sumter	73	22	44.4	2.97	0.7	
Blacklock.....	57	26	39.2	2.20	Loyalty	57	—	0	25.2	2.21	Trenton	73	22	44.4	2.97	0.7	
Bullrun.....	5																

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipa- tion.		Stations.	Temperature. (Fahrenheit.)			Precipa- tion.		Stations.	Temperature. (Fahrenheit.)			Precipa- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>South Dakota</i> —Cont'd.	◦	◦	◦	Ins.	Ins.	Tellico Plains	◦	◦	◦	Ins.	Ins.	Texas—Cont'd.	◦	◦	◦	Ins.	Ins.
Clear Lake	36	-26	4.2	0.61	5.0	Tracy City	72	18	43.8	3.16	2.29	Riverside	◦	◦	◦	2.29	2.29
Desmet	40	-24	6.8	0.50	5.0	Trenton	71	10	40.4	1.92	2.04	Rock Island	83	29	50.8	2.04	2.04
Doland	40	-29	5.8	0.38	4.8	Tullahoma	72	20	43.2	1.36	4.42	Rockland	73	36	59.5	0.55	4.42
Elkpoint	60	-13	16.2	1.67	9.0	Waynesboro	76	18	42.8	1.43	0.2	Runge	94	24	61.5	1.07	0.55
Fairfax	52	-15	16.3	.....	.....	Wildersville	74	18	43.0	0.95	0.5	Sabinal	92	25	61.3	0.28	1.07
Farmington	.....	.....	.....	0.87	3.0	Yukon	72	17	44.3	1.25	.....	Sabine	78	28	58.6	1.35	.....
Faulkton	41	-28	5.1	0.55	5.2	Texas.	.....	.....	.....	.....	.....	San Marcos	88	23	57.0	1.55	.....
Flaudreau	38	-24	6.4	0.42	4.2	Albany	95	18	49.8	0.20	2.0	Sau Saba	96	18	54.6	2.83	1.09
Forestburg	39	-25	6.8	0.65	6.5	Alvin	83	31	60.0	1.35	.....	Santa Gertrudes Ranch	.....	.....	.....	.....	1.09
Fort Meade	61	-22	15.6	.....	.....	Arthur	.....	.....	.....	.....	.....	Sherman	82	25	53.4	1.41	1.0
Gann Valley	40	-21	10.4	0.50	7.0	Athens	90	24	56.4	.....	.....	Sonora	96	16	53.8	0.28	1.0
Gettysburg	43	-25	4.8	0.96	8.5	Austin a	87	24	57.6	1.50	.....	Sugarland	83	33	60.8	1.15	.....
Grand River School	47	-30	2.2	0.62	6.0	Ballinger	93	19	51.5	.....	5.0	Sulphur Springs	85	26	52.8	1.49	2.12
Greenwood	59	-14	18.4	0.45	4.0	Beaumont	.....	.....	.....	.....	.....	Temple a	86	23	52.2	2.12	.....
Highmore	46	-24	8.6	0.17	1.8	Beeville	96	27	62.7	0.39	.....	Temple b	82	25	54.1	1.77	.....
Hotch City	46	-21	12.4	0.21	3.0	Bigspring	94	11	54.4	.....	.....	Tilden	98	16	60.0	0.33	1.0
Howard	38	-22	8.7	0.20	2.5	Blanco	90	19	53.0	2.00	.....	Trinity	85	24	59.0	2.17	3.5
Howell	44	-26	6.2	0.20	2.4	Bouerne*1	96	25	53.6	1.33	.....	Tulia	88	6	46.1	0.00	.....
Ipswich	35	-30	-0.2	.....	.....	Bouham	84	23	49.8	1.72	2.0	Tyler	81	26	52.0	4.77	.....
Kidder	41	-39	-0.4	.....	.....	Booth	.....	.....	.....	.....	.....	Victoria	90	27	62.2	0.75	1.5
Kimball	43	-21	10.4	0.50	5.0	Bowie	92	18	50.7	0.71	2.1	Waco	89	27	54.0	2.99	.....
Leola	40	-28	1.5	0.57	12.5	Brazoria	82	25	61.4	0.70	.....	Waxahachie	88	23	50.7	1.55	.....
Marion	45	-19	11.5	0.70	5.0	Brenham	83	29	57.6	5.52	.....	Weatherford	91	22	49.6	1.85	1.5
Mellette	42	-30	5.7	0.40	4.0	Brighton	78	26	60.6	1.00	.....	Wichita Falls	.....	.....	.....	0.45	1.0
Menno	50	-19	12.6	0.46	4.0	Brownwood	85	21	49.2	1.10	1.0	Utah.	.....	.....	.....	.....	.....
Millbank	45	-27	3.2	0.90	6.0	Burnet	99	19	57.6	2.92	.....	Alpine	77	.....	.....	0.82	5.5
Mitchell	43	-22	8.5	0.56	10.0	Camp Eagle Pass	100	21	62.0	0.15	.....	Aneth	77	7	41.8	0.07	12.0
Oelrichs	67	-22	19.3	0.45	4.5	Childress	95	10	48.6	.....	.....	Blackrock	71	-	35.4	1.00	9.2
Pedro	48	-22	11.4	0.16	2.0	Claytonville	94	15	53.1	0.03	0.3	Bluecreek	48	-	32.6	1.12	3.5
Pine Ridge	69	-17	23.1	0.09	1.5	Coleman	98	19	56.0	1.00	4.5	Callao	86	-	36.8	0.83	12.8
Plankinton	44	-23	10.0	0.63	7.1	College Station	84	28	58.7	1.75	.....	Cisco	71	0	37.2	0.65	5.0
Ramsey	40	-24	8.3	0.60	6.0	Colorado	93	10 ¹	54.5	0.02	.....	Corinne	61	-	31.0	2.14	9.0
Redfield	42	-30	2.8	0.54	9.5	Columbia	81	23	60.2	1.32	.....	Coyote	68	-13	33.0	0.08	0.2
Rosebud	60	-27	19.3	0.70	5.5	Columbus	.....	.....	.....	.....	.....	Deseret	71	-10	35.0	0.97	12.0
Silver City	.....	.....	.....	2.95	29.5	Comanche	96	19 [*]	51.8	2.11	.....	Emery	67	8	33.0	0.7	.....
Sioux Falls	47	-21	9.5	0.45	5.0	Constock	97	27	58.8	0.42	.....	Farmington	60	1	33.6	3.59	24.0
Sisseton Agency	40	-26	3.2	0.44	4.4	Corsicana	85	25	53.7	2.48	.....	Fillmore	67	2	37.8	1.90	.....
Spearfish	58	-19	20.0	2.13	15.0	Cuero	82	24	57.3	1.73	.....	Fort Duchesne	65 ^k	4 ⁸	36.0 ⁸	0.01	.....
Stephan	41	-21	9.0	0.47	4.7	Dallas	89	23	50.2	1.66	.....	Frisco	63	7	38.1	0.64	.....
Tyndall	55	-16	15.4	0.34	2.5	Danevang	81	28	60.2	1.16	.....	Garrison	68	0	38.4	1.49	11.0
Vernillion	58	-13	16.0	0.20	3.0	Diaville	82	26	55.0	2.93	.....	Giles	70	-3	35.8	0.7	.....
Watertown	38	-27	4.0	0.46	6.5	Dublin	92	21	51.8	3.00	.....	Government Creek	63	1	33.7	2.24	21.0
Weottworth	39	-22	7.2	0.42	4.2	Duval	92	25	56.6	1.94	.....	Green River	73	-4	32.0	0.35	.....
Wolsey	.....	.....	.....	0.50	4.5	Estelle	90	23	54.0	1.85	.....	Grover	69	0	35.6	0.40	4.0
<i>Tennessee.</i>	.....	.....	.....	.....	.....	Fort Brown	86	36	66.2	0.46	.....	Heber	56	-20	28.6	3.00	15.5
Anderdonville	67	12	37.9	3.05	.....	Fort Clark	94	25	59.0	0.46	.....	Henefer	60	-26	27.9	3.17	22.3
Ashwood	72	18	42.9	1.00	.....	Fort Davis	85	10	52.0	.....	.....	Hite	81	18	45.4	0.60	.....
Bluff City	.....	.....	.....	2.68	.....	Fort McIntosh	98	26	64.3	0.50	.....	Huntsburg	64	-	31.8	1.75	.....
Bolivar	77	19	41.6	1.38	.....	Fort Ruggold	96	33	68.8	0.25	.....	Ibahap	64	-4	31.8	1.75	17.2
Bristol	65	9	35.4	1.56	.....	Fort Stockton	.....	.....	.....	.....	.....	Kanab	70	-	30.6	1.00	.....
Brownsville	75	21	43.4	0.98	.....	Fredericksburg	91	19	55.0	2.16	2.5	Kelton	51	4	29.4	3.70	3.7
Byrdston	72	11	39.8	1.66	2.9	Gainesville	83 ^a	21 ^b	48.0 ^c	1.55	2.5	Levan	58	-2	32.4	1.93	15.0
Carthage	72	16	42.8	1.69	.....	Georgetown	98	21	55.6	3.31	.....	Loa	70	0	31.2	0.50	5.0
Cattletown	.....	.....	5.07	1.2	.....	Grapevine b	92	24	57.2	1.76	1.0	Logan	58	-1 ^e	30.6	2.25	.....
Cedar Hill	73	13	39.4	2.45	1.0	Greenvile	85	23	50.3	1.45	.....	Lund	78	-10	35.7	0.67	5.6
Celina	.....	.....	1.38	.....	.....	Hale Center	91	12	48.7	0.20	.....	Manti	62	-6	33.2	1.13	6.3
Charleston	.....	.....	3.02	2.2	.....	Hallettsville	86	24	60.3	1.46	.....	Marysville	67	-12	36.8	0.91	9.8
Clarksville	73	14	39.1	2.32	1.0	Haskell	94	15	52.7	0.26	2.0	Meadowville	52	2	28.4	4.70	15.0
Clinton	.....	.....	4.00	5.0	.....	Hearne	100	31	64.8	2.18	.....	Millville	.....	.....	.....	3.12	.....
Covington	77	21	43.7	0.85	.....	Hempstead	.....	.....	.....	.....	.....	Minersville	71	-4	37.4	1.70	12.0
Decatur	74	8	41.0	3.28	1.0	Henrietta	94	17	48.5	0.27	2.7	Moab	78	10	43.6	0.41	1.3
Dickson	74 ^d	14	40.4	1.71	.....	Hewitt	.....	.....	.....	.....	.....	Monticello	80	4	37.4	0.09	1.0
Dover	76	15	40.4	3.22	0.5	Hillsboro	87	23	52.7	2.10	.....	Morgan	55	-20	29.4	2.96	19.5
Dyersburg	76	20	38.8	2.32	.....	Hondo	95	24	57.4	0.55	.....	Mount Nebo	64	-3	33.9	2.28	14.5
Elizabethton	70	12	38.6	3.28	0.1	Houston	84	29	59.4	2.43	.....	Mount Pleasant	64	-2	32.8	1.71	7.0
Erasmus	72	6	38.2	2.68	0.5	Huntsville	88	29	56.8	1.92	.....	Ogden	62	5	33.6	2.79	12.0
Florence	73	15	41.9	0.98	.....	Ira	96	12	52.8	0.02	.....	Park City	55	-2	31.6	5.00	41.0
Franklin	74	12	40.2	1.52	.....	Jasper	85	27	59.9	3.69	.....	Paroway	66	2	36.4	1.46	12.2
Grace*1	74	16	39.8	3.80	1.0	Jefferson	79	23	53.5	2.81	0.5	Pinto	62	-17	35.3	1.91	1.1
Greeneville	72	10	40.0	4.15	1.4	Jewett	85	33	62.2	3.64	.....	Plateau	61	-20	32.4	1.61	12.3
Halls Hill	.....	.....	1.36	.....	.....	Junction	.....	.....	.....	.....	.....	Promontory *1	51	4	36.1	0.15	1.5
Harriman	79	8	40.4	3.97	.....	Kaufman	84	24	54.3	1.60	.....	Provo	64	-8	33.2	2.27	10.7
Hohenwald	77	12	42.0	2.02	.....	Kent	89	11	54.4	0.01	.....	Ranch	62	2	32.6	2.63	.....
Iron City	77	18	44.8	1.96	.....	Kerrville	82	29	56.2	1.27	4.0	Richfield	70	12	39.4	0.20	1.5
Isabella	68	15	40.8	3.12	.....	Knickbocker	96	14	55.6	0.43	.....	Rockville	89	1	41.4	1.30	.....
Jackson	77	11	43.4	1.30	.....	Lamapas	96	19	52.4	2.52	.....	St. George	81	10	42.6	1.33	.....
Johnsonville	76	14	42.3	1.32	.....	Lapara	.....	.....	.....	.....	.....	Salt Air	66	8	35.4	1.75	14.5
Jonesboro	71	13	38.9	4.26	0.9	Laureles Ranch	.....	.....	.....	.....	.....	Scipio	65	-15	36.0	1.74	8.0
Kenton	76	18	41.0	2.53	1.0	Liberty	.....	.....	.....	.....	.....	Snowville	53	9	27.8	2.25	6.0
Kingston	.....	.....	3.20	0.4	.....	.....	.....	.....</td									

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

TABLE II.—*Climatological record of voluntary and other cooperating observers. Late reports for January—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Porto Rico—Cont'd.</i>	°	°	°	Ins.	Ins.	<i>Alaska—Cont'd.</i>	°	°	°	Ins.	Ins.
San Salvador.....	82	57	69.7	2.80		Fort Gibbon.....	29	-53	-19.1	0.08	3.5
Santa Isabel.....	88	59	74.9	0.61		Fort Yukon.....	.....	61	.....	0.60	6.9
Vieques.....	88	60	73.7	1.29		Kenai.....	35	-34	4.8	0.46	9.5
Yauco.....	85	60	73.2	3.70		Sunrise.....	40	-21	11.5	1.69	20.6
<i>Mexico.</i>						Wood Island.....	52	8	28.5	3.63	15.0
Coatzacoalcos	85	54	71.2	3.32							
Durango.....	79	25	56.6	0.00							
Leon de Aldamas.....	81	33	59.7	0.02							
<i>New Brunswick.</i>											
St. John.....	39	-16	14.0	3.44	16.1						
<i>Isthmus of Panama.</i>											
Alhajuela.....	95	70	83.5	0.75							
Bohio.....											
Colon.....											
Gamboa.....											
La Boca.....	88	71	80.0	0.35							
<i>West Indies.</i>											
Columbia, Isle of Pines...	84	55	71.5	0.56							
<i>Late reports for January, 1904.</i>											
<i>Alaska.</i>											
Coal Harbor.....	39	8	26.2	2.00	5.0						

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.

² Mean of 8 a. m. + 8 p. m. + 2.

³ Mean of 7 a. m. + 7 p. m. + 2.

⁴ Mean of 6 a. m. + 6 p. m. + 2.

⁵ Mean of 7 a. m. + 2 p. m. + 2.

⁶ Mean of readings at various hours reduced to true daily mean by special tables.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure column, indicates the number of days missing from the record; for instance "*a*" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

NOTE.—The following change has been made in the names of stations; Arkansas, Rosadale, changed to Howe.

TABLE III.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of February, 1904.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>							<i>North Dakota—Continued.</i>						
Eastport, Me.	29	6	7	27	n. 41 w.	30	Williston, N. Dk.	13	11	25	15	n. 79 e.	10
Portland, Me.	26	13	2	29	n. 64 w.	30	Upper Mississippi Valley.						
Concord, N. H.†	13	3	1	16	n. 56 w.	13	Minneapolis, Minn.*	13	5	10	11	n. 7 w.	8
Northfield, Vt.	33	20	4	9	n. 21 w.	14	St. Paul, Minn.	26	10	19	20	n. 3 w.	16
Boston, Mass.	19	11	5	32	n. 73 w.	28	La Crosse, Wis.†	12	10	4	7	n. 56 w.	4
Nantucket, Mass.	22	12	4	32	n. 70 w.	30	Davenport, Iowa.	21	11	23	15	n. 61 e.	21
Block Island, R. I.	26	10	6	29	n. 55 w.	23	Des Moines, Iowa.	24	14	20	17	n. 17 e.	10
Narragansett, R. I.‡	11	7	5	13	n. 63 w.	9	Dubuque, Iowa.	25	11	18	20	n. 8 w.	14
New Haven, Conn.	33	10	6	20	n. 31 w.	27	Keokuk, Iowa.	27	13	16	15	n. 4 e.	14
Middle Atlantic States.							Cairo, Ill.	27	16	15	8	n. 32 e.	13
Albany, N. Y.	31	14	8	18	n. 30 w.	20	Springfield, Ill.	22	15	18	16	n. 16 e.	7
Binghamton, N. Y.†	12	4	6	12	n. 37 w.	10	Hannibal, Mo.†	11	6	9	10	n. 11 w.	5
New York, N. Y.	24	12	9	27	n. 56 w.	22	St. Louis, Mo.	19	17	24	9	n. 82 e.	15
Harrisburg, Pa.	25	9	12	23	n. 34 w.	19	<i>Missouri Valley.</i>						
Philadelphia, Pa.	26	16	8	25	n. 60 w.	20	Columbia, Mo. *	21	9	19	20	n. 5 w.	12
Scranton, Pa.	25	18	8	24	n. 66 w.	18	Kansas City, Mo.	25	14	22	12	n. 42 e.	15
Atlantic City, N. J.	29	11	5	27	n. 51 w.	28	Springfield, Mo.	21	19	24	10	n. 82 e.	14
Cape May, N. J.	30	11	8	20	n. 32 w.	22	Topeka, Kans.*	12	8	11	6	n. 51 e.	6
Baltimore, Md.	24	14	12	24	n. 50 w.	16	Lincoln, Nebr.	25	17	21	7	n. 60 e.	16
Washington, D. C.	25	14	11	18	n. 32 w.	13	Omaha, Nebr.	28	17	16	9	n. 32 e.	13
Cape Henry, Va.†	16	10	4	6	n. 18 w.	6	Valentine, Neb.	22	13	18	14	n. 24 e.	10
Lynchburg, Va.	22	13	14	26	n. 53 w.	15	Sioux City, Iowa †	12	9	9	6	n. 45 e.	4
Norfolk, Va.	29	16	12	11	n. 18 e.	3	Pierre, S. Dak.	23	8	28	12	n. 47 e.	22
Richmond, Va.	29	18	9	13	n. 20 w.	12	Huron, S. Dak.	29	13	20	15	n. 17 e.	17
Wytheville, Va.	8	6	18	32	n. 82 w.	14	Yankton, S. Dak. +	13	7	8	10	n. 18 w.	6
<i>South Atlantic States.</i>							<i>Northern Slope.</i>						
Asheville, N. C.	19	19	17	20	w.	3	Havre, Mont.	19	6	26	18	n. 32 e.	15
Charlotte, N. C.	21	17	17	18	n. 14 w.	4	Miles City, Mont.	29	16	9	9	n. 28 e.	15
Hatteras, N. C.	32	8	15	16	n. 2 w.	24	Helena, Mont.	10	21	3	38	s. 73 w.	37
Kittyhawk, N. C. *	14	7	8	9	n. 8 w.	7	Kalispell, Mont.	7	15	2	38	s. 77 w.	37
Raleigh, N. C.	26	15	15	18	n. 15 w.	11	Rapid City, S. Dak.	19	3	17	23	n. 31 w.	12
Wilmington, N. C.	24	11	16	18	n. 9 w.	13	Cheyenne, Wyo.	10	23	3	33	s. 67 w.	33
Charleston, S. C.	25	14	17	15	n. 10 e.	11	Lander, Wyo.	12	24	11	22	s. 43 w.	16
Columbia, S. C.	11	7	10	7	n. 37 e.	5	Yellowstone Park, Wyo.	3	39	2	30	s. 38 w.	46
Augusta, Ga.	25	12	20	17	n. 13 e.	13	North Platte, Nebr.	19	20	18	13	s. 79 e.	5
Savannah, Ga.	21	15	17	17	n. 6	6	<i>Middle Slope.</i>						
Jacksonville, Fla.	26	13	19	12	n. 28 w.	15	Denver, Colo.	20	21	12	19	s. 82 w.	7
<i>Florida Peninsula.</i>							Pueblo, Colo.	17	9	15	26	n. 54 w.	14
Jupiter, Fla.	20	20	17	12	e.	5	Concordia, Kans.	22	19	20	9	s. 75 e.	11
Key West, Fla.	20	9	38	3	n. 73 e.	37	Dodge, Kans.	21	18	21	12	n. 72 e.	10
Sand Key, Fla.†	11	6	19	2	n. 74 e.	18	Wichita, Kans.	23	17	26	2	n. 76 e.	25
Tampa, Fla.	26	9	20	15	n. 16 e.	18	Oklahoma, Okla.	25	22	17	3	n. 78 e.	14
<i>Eastern Gulf States.</i>							<i>Southern Slope.</i>						
Atlanta, Ga.	13	19	21	18	s. 27 e.	7	Abilene, Tex.	18	31	12	7	s. 21 e.	14
Macon, Ga.†	16	5	9	6	n. 15 e.	11	Amarillo, Tex.	12	29	13	19	s. 19 w.	18
Pensacola, Fla.†	11	8	12	5	n. 67 e.	8	<i>Southern Plateau.</i>						
Birmingham, Ala.†	9	9	9	6	e.	3	El Paso, Tex.	18	6	14	34	n. 59 w.	23
Mobile, Ala.	21	25	12	4	s. 58 e.	5	Santa Fe, N. Mex.	16	21	19	19	s. 31 w.	6
Montgomery, Ala.	17	18	26	8	s. 87 w.	18	Flagstaff, Ariz.	16	13	6	33	n. 84 w.	27
Meridian, Miss.†	12	8	11	4	n. 60 e.	8	Phoenix, Ariz.	15	5	26	20	n. 31 e.	12
Vicksburg, Miss.	15	21	25	8	s. 71 e.	18	Yuma, Ariz.	22	15	13	18	s. 32 w.	9
New Orleans, La.	15	27	18	10	s. 34 e.	14	Independence, Cal.	17	19	12	27	s. 82 w.	15
<i>Western Gulf States.</i>							<i>Middle Plateau.</i>						
Shreveport, La.	17	26	22	5	s. 62 e.	19	Carson City, Nev.	8	32	9	25	s. 34 w.	29
Fort Smith, Ark.	18	8	30	7	n. 67 e.	25	Winnebago, Nev.	10	25	10	28	s. 50 w.	23
Little Rock, Ark.	23	15	19	12	n. 41 e.	11	Modena, Utah.	2	22	6	41	s. 60 w.	40
Corpus Christi, Tex.	14	27	23	2	s. 59 e.	5	Salt Lake City, Utah.	16	29	14	16	s. 9 w.	13
Fort Worth, Tex.	22	23	18	7	s. 85 e.	11	Grand Junction, Colo.	20	15	13	24	n. 66 w.	12
Galveston, Tex.	12	31	21	4	s. 42 e.	26	<i>Northern Plateau.</i>						
Palestine, Tex.	19	16	16	8	n. 69 e.	22	Baker City, Oreg.	9	34	23	14	s. 20 e.	27
San Antonio, Tex.	18	26	27	7	s. 68 e.	22	Boise, Idaho.	9	28	22	13	s. 25 e.	21
Taylor, Tex.†	11	15	3	5	s. 27 w.	4	Lewiston, Idaho.†	3	5	19	7	s. 81 e.	12
<i>Ohio Valley and Tennessee.</i>							Pocatello, Idaho.	1	28	28	15	s. 26 e.	30
Chattanooga, Tenn.	18	21	18	9	s. 72 c.	10	Spokane, Wash.	2	35	17	12	s. 9 e.	33
Knoxville, Tenn.	28	12	12	19	n. 24 w.	18	Walla Walla, Wash.	6	38	12	10	s. 4 e.	32
Memphis, Tenn.	23	18	21	9	n. 67 e.	13	<i>North Pacific Coast Region.</i>						
Lexington, Ky.†	10	9	7	7	n.	5	North Head, Wash.	6	30	29	16	s. 9 e.	24
Louisville, Ky.	16	16	16	21	w.	5	Port Crescent, Wash. *	4	10	15	5	s. 59 e.	12
Evansville, Ind.†	12	10	10	6	n. 63 e.	4	Seattle, Wash.	5	35	29	2	s. 42 e.	40
Indianapolis, Ind.	22	17	11	17	n. 50 w.	8	Tacoma, Wash.	7	38	6	19	s. 23 w.	34
Cincinnati, Ohio.	17	15	17	23	n. 72 w.	6	Tatoosh Island, Wash.	6	30	24	13	s. 25 e.	26
哥伦布, Ohio.	15	19	20	16	s. 45 e.	6	Portland, Oreg.	2	35	13	24	s. 18 w.	35
Pittsburg, Pa.	23	21	12	15	n. 56 w.	4	Roseburg, Oreg.	6	28	15	23	s. 20 w.	23
Parkersburg, W. Va.	21	16	15	21	n. 50 w.	8	Eureka, Cal.	7	35	18	12	s. 12 e.	29
Elkins, W. Va.	12	13	3	37	s. 88 w.	34	Mount Tamalpais, Cal.	15	23	7	23	s. 69 w.	22
<i>Lower Lake Region.</i>							Red Bluff, Cal.	18	23	19	14	s. 45 e.	7
Buffalo, N. Y.	10	12	13	32	s. 84 w.	19	Sacramento, Cal.	9	36	23	6	s. 33 e.	32
Oswego, N. Y.	19	21	12	21	s. 77 w.	9	Point Reyes Light, Cal. *	8	9	5	16	s. 85 w.	11
Rochester, N. Y.	8	17	9	35	s. 71 w.	28	Southeast Farallon, Cal. *	9	10	2	14	s. 85 w.	12
Syracuse, N. Y.	9	16	10	33	s. 73 w.	24	<i>South Pacific Coast Region.</i>						
Erie, Pa.	21	14	15	17	n. 16 w.	7	Fresno, Cal.	22	16	19	16	n. 27 e.	7
Cleveland, Ohio.	19	22	11	20	s. 72 w.	10	Los Angeles, Cal.	14	15	15	27	s. 85 w.	12
Sandusky, Ohio.†	8	10	5	13	s. 76 w.	8	San Diego, Cal.	33	6	8	27	s. 38 w.	33
Toledo, Ohio.	18	16	15	23	n. 76 w.	8	Porto Principe, Cuba.						
Detroit, Mich.	19	14	19	20	n. 11 w.	5	San Luis Obispo, Cal.	25	15	5	17	n. 50 w.	16
<i>Upper Lake Region.</i>							<i>West Indies</i>						
Alpena, Mich.	18	10	12	30	n. 66 w.	20	Basseterre, St. Kitts, W. I.						
Escanaba, Mich.	29	13	11	20	n. 29 w.	18	Bridgetown, Barbados.						
Grand Rapids, Mich.	21	16	22	14	n. 58 e.	9	Cienfuegos, Cuba.						
Houghton, Mich.†	11	2	7	15	n. 42 w.	12	Colon, Colombia, S. A.†						
Marquette, Mich.	18	12	11	29	n. 72 w.	19	Curacao, W. I.						
Port Huron, Mich.	21	17	15	24	n. 66 w.	10	Grand Turk, W. I.†.	3	3	26	0	e.	26
Sault Ste. Marie, Mich.	18	9	15	29	n. 57 w.	17	Hamilton, Bermuda.	23	10	7	34	n. 64 w.	30
Chicago, Ill.	21	14	19	18	n. 8 e.	7	Havana, Cuba.†.	6	2	22	1	n. 79 e.	21
Milwaukee, Wis.	22	12	15	20	n. 27 w.	11	Kingston, Jamaica.						
Green Bay, Wis.	20	19	13	17	n. 76 w.	4	Port of Spain, Trinidad†.						
Duluth, Minn.	26	7	15	25	n. 28 w.	22	Puerto Principe, Cuba.						
<i>North Dakota.</i>							Roseau, Dominica, W. I.†.						
Moorhead, Minn.	25	16	17	15	n. 13 e.								

TABLE IV.—*Thunderstorms and auroras, February, 1904.*

States.	No. of stations.																														Total.							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.	Days.				
Alabama	52	T.						15	2	6	5																						31	6	T.			
Arizona	56	T.																															0	0	A.			
Arkansas	57	T.						1	9	12																						1	1	T.				
California	167	T.						2	1																							38	8	A.				
Colorado	81	T.																														0	0	A.				
Connecticut	21	T.							7																							7	1	A.				
Delaware	5	T.																														2	1	T.				
Dist. of Columbia	4	T.																														0	0	T.				
Florida	47	T.							4	1	1																				32	8	T.					
Georgia	55	T.							17	5	7	4	1																	37	8	A.						
Idaho	34	T.								2																					3	2	A.					
Illinois	92	T.							7	17																				2	16	42	4	T.				
Indiana	58	T.						1	7	35																				1	1	A.						
Indian Territory	11	T.						2		1																				60	5	T.						
Iowa	149	T.							5	1																				4	3	T.						
Kansas	77	T.	1						6	3																				11	1	A.						
Kentucky	41	T.						2	20																					25	6	A.						
Louisiana	46	T.						1	4	2	4	10																	28	8	T.							
Maine	19	T.						1	1	2																			0	0	A.							
Maryland	48	T.						1																					13	1	T.							
Massachusetts	48	T.																											0	0	A.							
Michigan	106	T.							11	2																			31	5	T.							
Minnesota	67	T.																											0	0	A.							
Mississippi	44	T.						1	7	2	9	7																30	7	T.								
Missouri	95	T.							22	31	1	1																78	7	T.								
Montana	40	T.																											0	0	A.							
Nebraska	142	T.																											3	3	T.							
Nevada	40	T.																											0	0	A.							
New Hampshire	19	T.						1																					0	0	T.							
New Jersey	51	T.																											13	1	A.							
New Mexico	31	T.																											0	0	T.							
New York	99	T.	1					1	1	41																			1	31	17	93	7	T.				
North Carolina	56	T.							28	1																			2	16	8	2	58	7	T.			
North Dakota	48	T.							1	1	1																	0	0	0	0	0	0	T.				
Ohio	128	T.							73																				2		33	46	154	4	T.			
Oklahoma	23	T.						1																					1	1	0	1	0	0	A.			
Oregon	74	T.						2																					1	1	10	5	29	12	A.			
Pennsylvania	91	T.	1						33																				1		28	10	73	5	T.			
Rhode Island	7	T.																											0	0	0	0	0	0	A.			
South Carolina	46	T.							1	20	4	3	1															1	1	1	0	31	7	T.				
South Dakota	56	T.																											1	1	0	1	8	6	A.			
Tennessee	56	T.	1						27		1	1																3	1	1	1	49	7	T.				
Texas	95	T.						1	4	5	3		1	1													1	2	10	1	3	0	A.					
Utah	47	T.																											5	2	1		8	3	T.			
Vermont	16	T.																											0	0	0	0	0	0	A.			
Virginia	50	T.							12																				1	1	9	0	23	4	T.			
Washington	64	T.							1		1	3	1	1													1	1	1	2	18	12	T.					
West Virginia	43	T.							26																				13	3	42	3	0	0	A.			
Wisconsin	60	T.																											1	0	0	0	0	0	T.			
Wyoming	31	T.																											1	0	2	0	1	2	A.			
Sums.	2893	T.	2	1	0	5	12	68	446	25	31	37	5	2	2	0	7	1	13	14	40	6	14	19	7	5	4	6	43	20	164	133	1,125	25	T.			
		A.	0	2	0	0	2	0	1	2	1	1	1	0	0	0	0	1	0	1	0	2	0	1	1	0	0	1	0	1	0	1	0	0	0	0	0	A.

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during February, 1904, at all stations furnished with self-registering gages.

Stations.	Date,	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.														
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.	
Albany, N. Y.	1-6	2	3	4	5	6	7												*			
Alpena, Mich.	21-22			0.57														*				
Amarillo, Tex.	18			0.08															0.50			
Asheville, N. C.	26			0.66														0.43				
Atlanta, Ga.	7			0.50														0.44				
Atlantic City, N. J.	21-22			1.32														0.31				
Augusta, Ga.	7			0.46														*				
Baltimore, Md.	21-22			0.87														0.48				
Binghamton, N. Y.	7			0.41														*				
Birmingham, Ala.	25			0.66														0.08				
Bismarck, N. Dak.	25			0.42														0.14				
Block Island, R. I.	21-22			1.59														*				
Boise, Idaho	4			0.21														0.27				
Boston, Mass.	22			0.75														0.24				
Buffalo, N. Y.	29			1.07														*				
Cairo, Ill.	20-21			0.91														*				
Charleston, S. C.	20-22			1.79														0.57				
Charlotte, N. C.	26			0.52														0.35				
Chattanooga, Tenn.	7	8:10 a. m.	1:15 p. m.	0.62	11:23 a. m.	11:38 a. m.	0.02	0.35	0.51	0.56									*			
Chicago, Ill.	17-18			0.48														*				
Cincinnati, Ohio	7			1.05														*				
Cleveland, Ohio	29			0.57														0.26				
Columbia, Mo.	6-7			0.25														0.24				
Columbia, S. C.	7			0.53														0.33				
Columbus, Ohio	7			0.62														0.58				
Concord, N. H.	14-15			0.70														*				
Corpus Christi, Tex.	10-11			0.88														0.38				
Davenport, Iowa	17-18			0.31														*				
Denver, Colo.	17			0.17														*				
Des Moines, Iowa	17			0.14														*				
Detroit, Mich.	29			1.16														0.38				
Dodge, Kans.	17			0.02														*				
Dubuque, Iowa	23			0.18														0.17				
Duluth, Minn.	5-7			0.41														*				
Eastport, Me.	1			0.96														0.18				
Elkins, W. Va.	7			0.54														0.25				
Erie, Pa.	29			1.32														*				
Escanaba, Mich.	13-14			0.55														0.06				
Evansville, Ind.	7	D. N.	D. N.	0.63	3:25 a. m.	3:43 a. m.	T.	0.15	0.31	0.38	0.45								0.40			
Fort Smith, Ark.	6			0.48														0.29				
Fort Worth, Tex.	4-5			1.46															0.43			
Galveston, Tex.	9			0.16															0.16			
Grand Junction, Colo.	16-17			0.27														0.08				
Grand Rapids, Mich.	5-6			0.53														*				
Green Bay, Wis.	29			0.31														*				
Harrisburg, Pa.	21-22			0.85														0.16				
Hatteras, N. C.	22			0.56														0.43				
Huron, S. Dak.	24-25			0.14														*				
Indianapolis, Ind.	7			1.10														*				
Jacksonville, Fla.	20-21			1.38														0.36				
Jupiter, Fla.	21			0.58														0.48				
Kalispell, Mont.	24			0.71														*				
Kansas City, Mo.	6			0.40														*				
Key West, Fla.	19			0.40														0.40				
Knoxville, Tenn.	7	9:50 a. m.	12:40 p. m.	1.26	9:55 a. m.	10:35 a. m.	0.01	0.06	0.26	0.55	0.59	0.63	0.72	0.77	0.84	0.86		*				
La Crosse, Wis.	17-18			0.20														*				
Lewiston, Idaho	15-16			0.56														0.10				
Lexington, Ky.	7			1.20														*				
Lincoln, Nebr.	8			0.03														0.44				
Little Rock, Ark.	18			1.70														0.21				
Los Angeles, Cal.	5			0.71															0.34			
Louisville, Ky.	7	D. N.	D. N.	0.97	4:02 a. m.	4:26 a. m.	0.02	0.07	0.18	0.22	0.27	0.31						0.18				
Lynchburg, Va.	21-22			0.97															0.18			
Macon, Ga.	10	2:35 a. m.	3:00 p. m.	1.47	9:41 a. m.	10:35 a. m.	0.27	0.06	0.12	0.22	0.26	0.28	0.36	0.45	0.56	0.66	0.73	0.15				
Memphis, Tenn.	20-21			0.65														*				
Meridian, Miss.	9-10			2.33														0.63				
Milwaukee, Wis.	17-18			0.42															0.48			
Montgomery, Ala.	5-6			1.50														0.45				
Nantucket, Mass.	22			1.01														0.25				
Nashville, Tenn.	7			0.25														0.34				
New Haven, Conn.	21-22			1.53														0.47				
New Orleans, La.	5-6			0.78														0.18				
New York, N. Y.	21-22			1.16														0.44				
Norfolk, Va.	22			0.74														0.44				
Northfield, Vt.	22			0.15														0.39				
North Head, Wash.	10			1.18															0.27			
Oklahoma, Okla.	20			0.04															0.27			
Omaha, Nebr.	8-9			0.06															0.02			
Palestine, Tex.	19-20			1.12															0.60			
Parkersburg, W. Va.	7			0.41														0.23				
Pensacola, Fla.	10			0.59														0.33				
Philadelphia, Pa.	21-22			1.21														*				
Pittsburg, Pa.	23-24			0.72														*				
Pocatello, Idaho	16			0.63														*				
Portland, Me.	21-22			0.78														0.16				
Portland, Ore.	28-29			1.44														0.25				
Pueblo, Colo.	17-18			0.31														*				
Raleigh, N. C.	19			1.29														*				
Richmond, Va.	7			0.30														0.23				
Rochester, N. Y.	29			0.85														*				
Sacramento, Cal.	11-12			2.59														0.22				
St. Louis, Mo.	20-21			0.62														0.11				
St. Paul, Minn.	22-23			0.17														0.10				
Salt Lake City, Utah	27-28			0.76														*				
San Antonio, Tex.	18-19			0.31														0.11				
San Diego, Cal.	5-6			0.48														0.27				
Sandusky, Ohio	28-29			1.25														*				
San Francisco, Cal.	11-12			2.77														0.21				
Savannah, Ga.	21-22			0.61														0.29				
Scranton, Pa.	23-24			0.27														0.06				
Seattle, Wash.	3-4			0.53														0.15				

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Shreveport, La.	1	20-21	2	3	4	5	6	7													0.23
Spokane, Wash.	11-12			1.11	0.43														*		
Springfield, Ill.	17			0.80															*		
Syracuse, N. Y.	29			0.80															*		
Tampa, Fla.	20	2:25 p. m.	21	7:15 p. m.	0.82	6:12 p. m.	6:27 p. m.	0.23	0.30	0.42	0.49	0.51									
Do.	22	3:10 a. m.		6:50 a. m.	1.66	3:39 a. m.	5:09 a. m.	0.09	0.05	0.11	0.25	0.56	0.72	0.84	0.89	1.04	1.06	1.07	1.11	1.37	1.52
Taylor, Tex.	19-20			0.78														*			
Toledo, Ohio	28-29			1.66														*			
Topeka, Kans.	17			0.13														*			
Valentine, Nebr.	9-10			0.08														*			
Vicksburg, Miss.	20-21			0.58														0.34			
Washington, D. C.	21-22			0.88														0.18			
Wichita, Kans.	17			0.02																	
Wilmette, Ill.	21-22			0.88															0.18		
Wytheville, Va.	7			0.56														*			
Yankton, S. Dak.	17-18			0.21														*			
Havana, Cuba	12			0.60															0.57		
San Juan, Porto Rico	13	7:35 p. m.		1.86	7:37 p. m.	7:57 p. m.	T.	0.10	0.32	0.51	0.58										

* Self register not working.

† No precipitation during the month.

TABLE VI.—Data furnished by the Canadian Meteorological Service, February, 1904.

Stations.	Pressure, in inches.			Temperature.			Precipitation.			Stations.	Pressure, in inches.			Temperature.			Precipitation.				
	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.	
St. Johns, N. F.	Ins. 29.61	Ins. 29.75	—.08	18.2	—3.8	26.7	9.8	6.44	+1.52	27.0	Parry Sound, Ont.	Ins. 29.37	Ins. 30.13	+.12	4.0	—10.3	16.6	—8.6	2.20	—0.72	22.0
Sydney, C. B. I.	29.88	29.92	.00	14.1	—5.2	24.1	4.1	4.54	+0.45	26.0	Port Arthur, Ont.	29.47	30.24	+.19	0.5	—5.9	10.6	—9.7	0.18	—0.72	1.8
Halifax, N. S.	29.84	29.95	.00	18.2	—4.2	27.6	8.7	5.11	+0.25	31.3	Winnipeg, Man.	29.34	30.25	+.15	—7.8	—6.2	3.2	—18.9	0.85	—0.13	8.5
Grand Manan, N. B.	29.91	29.96	—.02	18.7	—4.7	26.3	11.1	5.30	+1.33	32.5	Minnedosa, Man.	28.26	30.23	+.14	6.9	—4.2	5.5	—19.3	0.77	+0.16	7.7
Yarmouth, N. S.	29.91	29.99	.00	21.4	—4.4	28.4	14.4	5.57	+0.82	30.5	Qu'Appelle, Assin.	27.80	30.23	+.15	7.6	—7.0	1.7	—16.9	2.25	+1.52	22.5
Charlottetown, P. E. I.	29.89	29.98	—.02	11.1	—6.5	21.0	1.2	2.79	—0.27	19.1	Medicine Hat, Assin.	27.67	30.10	+.05	—0.3	—11.5	10.1	—10.7	0.67	0.00	6.7
Chatham, N. B.	29.91	29.94	—.02	8.0	—4.5	21.2	—5.3	2.64	—0.52	20.4	Swift Current, Assin.	27.38	30.14	+.07	3.1	—11.1	6.0	—12.1	0.76	+0.02	7.6
Father Point, Que.	29.97	30.00	+.02	7.7	—3.8	16.9	—1.5	2.89	+0.68	28.9	Calgary, Alberta.	26.26	30.04	+.05	—1.1	—14.6	8.0	—10.2	0.15	—0.48	1.5
Quebec, Que.	29.71	30.05	+.06	6.9	—4.9	14.4	0.7	3.24	—0.03	28.8	Banff, Alberta.	25.11	29.94	—.04	6.2	—13.0	16.2	—3.9	1.73	+0.81	17.3
Montreal, Que.	29.86	30.09	+.07	7.0	—7.5	14.6	—0.6	2.51	—0.56	21.5	Edmonton, Alberta.	27.66	30.14	+.12	—8.3	—16.6	0.0	—16.6	1.96	+1.29	19.6
Bissell, Ont.	29.52	30.17	+.16	0.4	—10.3	14.8	—15.5	1.12	—0.88	10.6	Prince Albert, Sask.	28.49	30.18	+.07	—11.4	—8.4	0.4	—23.3	1.24	+0.55	12.4
Ottawa, Ont.	29.78	30.18	+.11	6.1	—5.6	15.1	—3.0	3.20	+0.51	22.0	Battleford, Sask.	28.32	30.21	+.12	—12.9	—13.0	—5.0	—20.8	1.75	+1.41	17.8
Kingston, Ont.	29.82	30.16	+.12	9.2	—8.6	20.4	—1.9	2.59	+0.05	12.9	Kamloops, B. C.										
Toronto, Ont.	29.77	30.18	+.14	13.3	—8.2	22.3	4.3	2.90	+0.29	18.7	Victoria, B. C.	29.65	29.75	—.25	39.4	—0.1	43.3	35.5	3.93	—0.17	5.3
White River, Ont.	28.77	30.19	+.17	8.0	—8.2	8.5	—24.6	0.48	—1.04	4.7	Barkerville, B. C.										
Port Stanley, Ont.	29.60	30.18	+.12	13.6	—9.2	23.1	4.1	3.90	+0.69	13.9	Hamilton, Bermuda	29.96	30.13	+.02	61.3	—0.2	66.0	56.6	3.38	—1.06	...
Saugeen, Ont.	29.42	30.17	+.15	8.6	—11.3	19.4	—2.2	2.41	—0.49	22.7											

TABLE VII.—Heights of rivers referred to zeros of gages, February, 1904.

Stations.	Distance to mouth of river.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Highest water.		Lowest water.		Mean stage.	Monthly range.			
		Height.	Date.	Height.	Date.					Height.	Date.	Height.	Date.					
<i>Mississippi River.</i>																		
St. Paul, Minn. ¹	Miles. 1,954	Feet. 14		Feet. ..														
Red Wing, Minn. ¹	1,914	14		2.2	1	1.1	20-29	1.3	1.1	21	11.1	1,3	6.1	24	8.0	5.0		
Reeds Landing, Minn.	1,884	12		18	1	1.1												
La Crosse, Wis. ¹	1,819	12		4.2	27.6	8.7												
Prairie du Chien, Wis. ¹	1,759	18																
Dubuque, Iowa ¹	1,639	18																
LeClaire, Iowa	1,609	10																
Davenport, Iowa ¹	1,593	15																
Muscatine, Iowa ¹	1,562	16		7.5	10	4.2	3-5	5.1	3.3	35								
Gallaudet, Iowa ²	1,472	8																
Keokuk, Iowa ¹	1,463	15																
Hannibal, Mo. ²	1,402	13		9.3	13	4.8	29											
Grafton, Ill.	1,306	23		9.2	15	6.5	6	7.7	2.7	123	13	13.0	8	2.0	11.0	...		
St. Louis, Mo.	1,264	30		10.5	15	6.2	4.5	8.1	4.3	73	20	14.6	8	2.5	12.1	16.3		
Chester, Ill.	1,189	30		9.1	16	5.6	5	7.4	3.5	29	20	20.8	8	4.5	19	7.9		
New Madrid, Mo.	1,003	34		24.4	2	16.0	11	19.1	8.4	35	8	3.8	8	1.0	1-7, 21-29	1.3	2.8	
Memphis, Tenn.	843	33		21.0	4	12.2	13	15.9	8.8	32	10	9.8	8	1.6	6	3.1	8.2	
Helena, Ark.	767	42		27.5	5	17.8	14	22.1	9.7	64	7	7.0	7	1.6	21	3.0	5.4	
Arkansas City, Ark.	635	42		29.4	7	21.7	16	25.3	7.7	Johnstown, Pa.								
Greenville, Miss.	595	42		24.6	7	17.7	16	20.8	6.9	Cheat River.								
Vicksburg, Miss.	474	45		27.2	8	19.8	18	23.0	7.4	Rowlesburg, W. Va.								
Natchez, Miss.	373	46		26.9	10	17.7	1	23.2	9.2	Youngstown River.								
Baton Rouge, La. ³	240	35		18.6	10	11	10.8	2	15.5	59	23	7.2	8	0.7	5.6	2.3	6.5	
Donaldsonville, La.	188	28		13.5	11	5.4	1	10.8	8.1	West Newton, Pa. ⁷	15	10	14.2	29	1.8	2	6.5</td	

TABLE VII.—Heights of rivers referred to zeros of gages—Continued.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
Ohio River—Cont'd.	Miles.	Feet.	Feet.		Feet.		Feet.		Hudson River—Cont'd.	Miles.	Feet.	Feet.		Feet.		Feet.	
Wheeling, W. Va.	875	36	26.3	10	4.0	21	10.2	22.3	Troy, N. Y.	154	12.1	9	4.5	6	3.6	7.6	
Parkersburg, W. Va.	785	36	24.5	11	6.6	21, 22	11.3	17.9	Albany, N. Y.	147	6.9	9	2.0	26	7.0	4.9	
Point Pleasant, W. Va.	703	39	26.8	11	5.1	22	12.5	21.7	Stuyvesant, N. Y.	128	3.0	8, 22	—0.6	17	1.3	3.6	
Huntington, W. Va.	660	50	29.4	12	9.1	22	16.1	20.3	<i>Passaic River.</i>								
Catlettsburg, Ky.	651	50	30.2	12	8.0	22	15.8	22.2	Chatham, N. J. ⁷	69	7.9	24	3.4	3, 6	5.6	4.5	
Portsmouth, Ohio	612	50	30.2	12	9.8	22	17.3	20.4	<i>Pompton River.</i>								
Cincinnati, Ohio	499	50	30.2	13	13.0	21	20.3	17.2	Pompton Plains, N. J. ¹²	6							
Madison, Ind.	413	46	29.1	1	13.8	6	18.6	15.3	<i>East Branch Susquehanna.</i>								
Louisville, Ky.	367	28	11.4	1	6.4	21	8.3	5.0	Binghamton, N. Y.	306	11.6	9	2.9	6	5.4	8.7	
Evansville, Ind.	184	35	31.6	1	13.4	8	18.8	18.2	Towanda, Pa.	262	13.5	8	2.0	23	3.8	11.5	
Paducah, Ky.	47	40	25.3	1	13.5	9, 10	17.6	11.8	Wilkesbarre, Pa.	183	17	25.7	10	10.6	6	14.9	15.1
Cairo, Ill.	1	45	30.2	2	19.6	10	23.5	10.6	<i>West Branch Susquehanna.</i>								
<i>Beaver River.</i>									Lockhaven, Pa. ⁸	65	12						
Ellwood Junction, Pa. ⁹	10	14							Williamsport, Pa.	39	20	14.0	8	2.4	6	3.9	11.6
<i>Muskingum River.</i>									<i>Susquehanna River.</i>								
Zanesville, Ohio	70	20	16.2	8	9.0	20, 21	11.1	7.2	Selinsgrove, Pa.	116	17	8.6	10	2.0	6	3.6	6.6
<i>Little Kanawha River.</i>									Harrisburg, Pa.	69	17	13.5	14	2.4	5	8.2	11.1
Glenville, W. Va.	103	20	3.0	22, 28	—2.0	6, 7	0.9	5.0	Huntingdon, Pa. ⁶	90	24	9.0	8	3.7	28		5.3
<i>New River.</i>									Riverton, Va.	58	22	1.0	9	0.1	1-8	0.4	0.9
Radford, Va.	155	14	3.3	23	0.8	2, 4, 5	1.6	2.5	<i>Potomac River.</i>								
Hinton, W. Va.	95	14	5.0	23	1.2	5, 6	2.2	3.8	Cumberland, Md.	290	8	4.8	7	2.8	21	3.5	2.0
<i>Great Kanawha, River.</i>									Harpers Ferry, W. Va.	172	18	5.4	10	0.2	6	2.5	5.2
Charleston, W. Va.	58	30	9.6	24	2.1	2	4.9	7.5	<i>James River.</i>								
<i>Scioto River.</i>									Lynchburg, Va.	260	18	3.8	23	0.3	6, 7	1.8	3.5
Columbus, Ohio ⁹	110	17	12.2	8	5.4	1, 2	7.2	6.8	Richmond, Va.	111	12	1.7	24	—1.7	20	—0.4	3.4
<i>Licking River.</i>									Dan River.								
Falmouth, Ky. ¹⁰	30	25	8.0	8, 23	2.5	15	4.7	5.5	Danville, Va. ⁴	55	8	2.2	23	0.0	19	0.5	2.2
<i>Miami River.</i>									Roanoke River.								
Dayton, Ohio ²	77	18	9.2	8	2.5	13	.....	6.7	Clarksville, Va.	196	12	8.9	23	3.6	29	4.9	5.3
<i>Kentucky River.</i>									Weldon, N. C.	129	30	27.0	24	9.1	2	13.3	17.9
Beattyville, Ky.	254	30	3.4	24	0.8	5	1.9	2.6	<i>Cape Fear River.</i>								
High Bridge, Ky.	117	17	11.9	25	9.6	4, 5	10.5	2.3	Fayetteville, N. C.	112	38	34.0	24	5.5	1	13.2	28.5
Frankfort, Ky.	65	31	8.0	25, 26	6.3	5, 6	7.1	1.7	Conway, S. C.	40	7	4.6	27, 29	3.2	9, 10	3.8	1.4
<i>Wabash River.</i>									Cheraw, S. C.	149	27	25.7	23	2.8	1, 7, 18-20	7.3	22.9
Mount Carmel, Ill.	50	15	19.1	14	6.8	21	13.1	12.3	Smiths Mills, S. C.	51	16	13.5	29	6.7	9	9.0	6.8
<i>Clinch River.</i>									Lynch Creek.								
Speers Ferry, Va.	156	20	2.3	23	—0.6	3, 4	0.4	2.9	Effingham, S. C.	35	12	10.0	29	6.0	10, 11	7.7	4.0
Clinton, Tenn.	52	25	9.4	25	4.0	3-6	5.8	5.4	Kingstree, S. C.	52	12	10.0	26-28	7.5	1	8.6	2.5
<i>Holston River.</i>									Camden, S. C.	45	24	23.6	23	6.2	1	10.1	17.4
Bluff City, Tenn.	170	15	3.1	23	0.1	5	1.2	3.0	Congaree River.								
Rogersville, Tenn.	103	14	3.8	23, 24	1.5	4-6	2.3	2.3	Columbia, S. C.	37	15	9.6	23	0.0	1-7	1.8	9.6
<i>French Broad River.</i>									Santee River.								
Asheville, N. C.	144	6	1.6	22	—0.5	6, 17, 19	—0.1	2.1	St. Stephens, S. C.	50	12	8.1	29	3.6	8, 9	6.0	4.5
Leadville, Tenn.	70	15	3.0	28	—0.3	19	0.9	3.3	Savannah River.								
<i>Hicasse River.</i>									Calhoun Falls, S. C.	347	15	4.9	22	2.2	6, 7, 18	2.8	2.7
Charleston, Tenn.	18	22	6.5	23	0.9	17, 18	1.8	5.6	Augusta, Ga.	268	32	17.8	23	7.5	5, 7	10.1	10.3
<i>Tennessee River.</i>									Carlton, Ga.	30	11	4.8	22	2.3	5, 6	2.9	2.5
Knoxville, Tenn.	635	29	5.3	28	0.6	4-6	2.2	4.7	Oconee River.								
Kingston, Tenn.	556	25	6.8	28	1.5	5-7	3.1	5.3	Dublin, Ga.	79	30	9.9	13-15	2.0	6, 7	5.6	7.9
Chattanooga, Tenn.	452	33	9.0	29	2.3	7	4.7	6.7	Ocmulgee River.								
Bridgeport, Ala.	402	24	6.4	29	1.4	6	3.2	5.0	Woodbury, Ga.								
Florence, Ala.	255	16	5.5	28	1.3	8, 9	2.9	4.2	Albany, Ga.	80	20	17.9	13	5.3	4	10.3	12.6
Riverton, Ala.	225	25	6.8	28	1.3	8	3.3	5.5	Chattooga River.								
Johnsville, Tenn.	95	21	7.4	29	3.2	9	4.6	4.2	Oakdale, Ga.	305	18	7.7	23	1.5	2, 4-6	2.6	6.2
<i>Cumberland River.</i>									Westpoint, Ga.	239	20	6.4	23	2.8	4-6	4.0	3.6
Wichita, Kans.	518	50	6.5	28	2.4	6, 7	3.9	4.1	Eufaula, Ala.	90	40	25.7	11	3.8	5	9.7	21.0
Celina, Tenn.	383	45	8.6	26	3.3	7, 8	5.1	5.3	<i>Coosa River.</i>								
Carthage, Tenn.	308	40	7.2	29	3.1	7, 8	4.5	4.1	Rome, Ga.	271	30	7.7	23	1.2	4-6	2.9	6.5
Nashville, Tenn.	193	40	10.2	29	4.9	18-10	6.4	5.3	Gadsden, Ga.	144	22	7.9	23	0.8	3-6	3.1	7.1
Clarksville, Tenn.	126	42	13.0	29	7.0	11	9.0	6.0	Lock No. 4, Ala.	116	17	6.5	25	1.2	6, 7	3.0	5.3
<i>Arkansas River.</i>									Wetumpka, Ala.	6	45	16.2	11	4.8	5	9.4	11.4
Wichita Falls, Ind. T.	832	10	0.5	6	—0.1	16, 18, 19 ¹¹	0.1	0.6	<i>Tallapoosa River.</i>								
Webbers Falls, Ind. T.	465	23	3.9	1	2.9	24, 25, 27-29	3.3	1.0	Milstead, Ala.	38	35	13.8	11	2.9	1-5	6.0	10.9
Fort Smith, Ark.	403	22	4.4	1	2.4	29	3.3	2.0	Alabama River.								
Dardanelle, Ark.	256	21	5.6	1	2.9	18	3.7	2.7	Montgomery, Ala.	265	35	15.2	12	2.8	3-6	7.3	12.4
Little Rock, Ark.	176	23	8.4	24	4.3	16-18	6.1	4.1	Selma, Ala.	212	35	21.5	13	3.5	6	10.0	18.0
<i>White River.</i>									<i>Tombigbee River.</i>								
Newport, Ark.	150	26	13.0	1	4.4	18	6.6	8.6	Columbus, Miss.	303	33	1.6	1	-1.2	18-20	-0.5	2.8
<i>Yazoo River.</i>									Demopolis, Ala.	155	35	18.0	12	3.1	6	6.1	14.9
Yazoo City, Miss.	80	25	4.0	4-7	—0.1	19-26	1.6	4.1	<i>Black Warrior River.</i>								
<i>Ouachita River.</i>									Tuscaloosa, Ala.	90	43	12.1	12	6.2	6	7.6	5.9
Camden, Ark.	304	39	28.7	26	6.5	18	13.8	22.2	<i>Sabine River.</i>								
Monroe, La.	122	40	14.3	29	3.6	21	8.2	10.7	Logansport, La.	180	25	10.2	25	3.0	9, 16-18	5.2	7.2
<i>Red River.</i>									Orange, Tex.	10	7	—1.4	1-7	—1.8	16-29	—1.6	0.4
Arthur, Tex.	688	27	5.2	1, 2	4.3	13-19	4.8	0.9	<i>Riverside.</i>								
Fulton, Ark. ¹³	515	28	—	—	—												

TABLE VII.—Heights of rivers referred to zeros of gages.—Continued.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
Columbia River	Miles.	Feet.	Feet.		Feet.		Feet.		Willamette River—Cont'd.	Miles.	Feet.	Feet.		Feet.		Feet.	
Umatilla, Oreg.	270	25	5.9	28	1.0	9	2.2	4.9	Portland, Oreg.	12	15	13.0	18, 19	3.5	9, 10	8.2	9.5
The Dalles, Oreg.	166	40	9.8	28	2.2	12	4.2	7.6	Sacramento River.	265	23	28.2	16	3.4	1-4	12.0	24.8
Willamette River.									Red Bluff, Cal.	64	25	27.9	26	12.8	4	19.2	15.1
Albany, Oreg. ¹²	118	20	24.7	17	4.9	5	11.6	19.8	Sacramento, Cal.								

¹ Frozen entire month. ² Frozen for 15 days. ³ 28 days only. ⁴ Gorged for 12 days. ⁵ Frozen for 17 days. ⁶ Frozen for 4 days. ⁷ Frozen for 14 days. ⁸ Frozen for 25 days. ⁹ Frozen for 11 days. ¹⁰ Frozen for 12 days. ¹¹ Frozen for 1 day. ¹² Gage broken. ¹³ Record incomplete.

HAWAIIAN CLIMATOLOGICAL DATA.

By R. C. LYDECKER, Territorial Meteorologist.

Rainfall data for February, 1904.

Stations.	Elevation.	Amount.	Stations.	Elevation.	Amount.	During twenty-four hours preceding 1 p. m. Greenwich time, or 2:30 a. m. Honolulu time.											
						Date.	Pressure at sea level.	Temperature.	Temperature.	Means.	Wind.	Sea-level pressures.	Total rainfall at 9 a. m., local time.				
HAWAII, HILO, e. and ne.	Feet.	Inches.	MAUI—Continued.	Ft.	Inches.												
Waiakea	50	11.17	Paia	180	21.07												
Hilo (town)	85	11.17	Haleakala Ranch	2,000	15.72												
Puueo	1,250	8.50	Wailuku, ne.	250	20.50												
Pepeekeo	100	8.50	LANAI.														
Hakalau	200	8.79	Keomuku	10	19.73												
Honohina	300	9.21	OAHU.														
Puuohua	1,050	12.63	Punahoa (W. B.), sw.	47	24.90												
Laupahoehoe	500	7.80	Kulaokahua (Castle), sw.	50	24.93												
Ookala	400	.....	Makiki Reservoir	120	29.65												
HAMAKUA, ne.			U. S. Naval Station, sw.	6	14.55												
Kukalau Ranch	250	9.86	Kapiolani Park, sw.	10	22.72												
Pauilo	300	10.28	College Hills	175	25.27												
Paauhau	300	7.85	Manoa (Woodlawn Dairy), e.	285	27.83												
Honokaa (Mill)	425	8.82	Manoa (Rhodes Gardens)	360	31.11												
Honokaa (Meinicke)	1,100	.....	Tusae Asylum	30	23.15												
KOHALA, n.	700	9.00	School street (Bishop), sw. ....	.....	*											
Awini Ranch	1,100	13.40	Kamehameha School	1	29.95	67	60	74	63	61.7	81	sw.-ne.	9-4	8-3	29.99	29.91	0.04
Halawa	450	14.05	Kalihi-Uka, sw.	2	30.00	66	63	74	66	57.3	66	ne.	4-	1	30.02	29.96	0.00
Niuli	200	14.26	Nuuanu (W. H. Hall), sw.	3	29.95	57	55	73	63	58.0	73	nne.	2-0	5	30.03	29.95	0.00
Kohala (Mission)	521	13.62	Nuuanu (Wyllie street), e.	4	29.90	56	54	73	57	56.0	77	nue.	2-0	2	29.98	29.89	0.00
Kohala (Sugar Co.)	270	13.24	U. S. Experiment Station	5	29.98	63	61	73	53	54.0	73	sw.	1-0	1-5	29.95	29.89	0.00
Hawi Mill	700	.....	Kaliuwa	6	29.88	63	62	76	65	66.0	87	se.	0-1	3-7	30.03	29.94	0.01
Puakea Ranch	600	12.02	Waihia	7	29.88	63	62	76	65	67.3	95	s.	1-0	10	29.96	29.86	6.22
Puuhue Ranch	1,847	14.25	Laujakea (Nuuanu)	8	29.89	66	65	71	63	63.7	95	s.	0	0	29.86	29.81	1.32
Waimea	2,720	9.68	Tantalus Heights (Frear)	10	29.83	67	65	76	67	68.7	91	s.	1-0	8-10	29.93	29.83	0.40
KONA, W.			Waimanalo, ne.	11	29.67	66	65	74	65	66.5	93	se.	2-0	10	29.83	29.68	2.30
Huehue	2,000	13.32	Maunawili, ne.	12	29.62	68	65	75	65	67.5	90	se.-sw.	2-0	10-11	29.70	29.59	7.51
Holualoa	1,350	16.51	Kaneohe	13	29.73	68	66	77	65	67.0	87	sw.	2-0	2	29.73	29.62	0.26
Kaukahoku Leheula	3,500	17.99	Ahuimanu, ne.	14	29.73	71	70	76	63	67.3	85	sw.	1-0	6-9	29.79	29.73	0.10
Kainaliu	1,470	14.25	Kahuhi, n.	15	29.84	69	68	74	63	67.5	94	ssw.	1-0	10	29.90	29.74	0.52
Kealakekua	1,589	16.39	Waijalua	16	29.92	71	70.5	73	65	69.7	96	s.	0	10	29.82	29.82	1.43
Napoopo	25	10.15	Wahiahu	17	29.85	72	71	75	66	71.3	94	s.	0	10	29.85	29.86	1.09
Hoopuloa	1,650	7.29	Ewa Plantation, s.	18	29.89	69	65	75	71	70.0	93	s.	0	10	29.91	29.81	0.20
Hoopuloa	2,300	10.00	U. S. Magnetic Station	19	29.80	74	72	77	65	66.7	84	se.-s.	3-0	10-8	29.89	29.75	0.78
Puwaawaa Ranch	2,700	27.00	Waipahu	20	29.89	68	67.5	75	68	68.3	92	se.-sw.	1-0	8-9	29.93	29.78	0.43
Huehue			Moanalua	21	29.99	63	61.5	76	68	67.7	89	sw.	0	7	30.00	29.88	0.43
KAU, se.			Pacific Heights	22	30.02	67	65	76	62	63.3	77	ne.	1	4	30.06	29.95	0.00
Kahuku Ranch	1,680	.....	23	30.02	71	66	78	66	65.5	81	ne.	1	4	30.04	29.97	0.00	
Houuapo	15	13.75	Lihue (Grove Farm), e.	24	30.01	70	65	78	71	63.3	72	ne.	1	4-8	30.07	30.00	0.00
Nalehu	650	13.91	Lihue (Moloko), e.	25	29.95	70	67	76	63	67.3	79	ne.-e.	2-0	4-10	30.04	29.97	0.00
Hilea	310	12.40	Lihue (Kukaua), e.	26	29.91	67	65	78	68	65.3	81	ene.	0	7-4	29.99	29.90	0.06
Paha	850	.....	Lelele	27	29.89	65	64.5	78	65	66.7	83	se.-s.	0	3-10	29.95	29.87	0.00
Moaula			Kealia, e.	28	29.91	64	63	75	65	65.0	88	s.-sw.	0	10-3	29.95	29.86	1.50
Volcano House, PUNA, e.	4,000	17.27	Kilauea (Plantation), ne.	29	29.89	71	69	76	63	64.3	83	sw.	0	5-8	29.95	29.89	0.00
Olaa, Mountai View (Russel)	1,530	11.17	Waialei	30	15.22												
Olaa Plantation (Mill)	210	14.45	Haena	31	.....											
Kapoho	110	20.40	Waiawa	32	17.28												
Paho	600	18.32	Waiawa	33	.....											
MAUI.			Waiawa	34	.....											
Labaina			Waiawa	35	.....											
Waipapa Ranch	700	17.58	Waiawa	36	.....											
Kaupo (Mokulau), s.	285	25.37	Waiawa	37	.....											
Kipahulu, s.	308	23.87	Waiawa	38	.....											
Hana			Waiawa	39	.....											
Nahiku, ne.	850	15.52	Waiawa	40	.....											
Nahiku	1,600	18.00	Waiawa	41	0.95												
Haiku, n.	700	12.73	Kahuku	42	1.94												
Kula (Erehwon), n.	4,500	21.45	Hoopuloa	43	4.50												
Kula (Waiakoa), n.	2,700	15.59	Hoopuloa	44	5.96												
Puonomelei, n.	1,400	13.00	Paia plantation	45	9.29												

NOTE.—The letters n, s, e, w, and c show the exposure of the station relative to the winds.

GENERAL SUMMARY FOR FEBRUARY, 1904.

Honolulu.—Temperature mean for the month, 70.1° ; normal, 70.2° ; average daily maximum, 75.2° ; average daily minimum, 65.2° ; mean daily range, 10° ; greatest daily range, 18° (4th); least daily range, 4° (17th); highest temperature, 79° (29th); lowest temperature, 55° (4th).

Barometer average, 29.892; normal, 29.966; highest, 30.07

Meteorological Observations at Honolulu, February, 1904.

The station is at $21^{\circ} 18' \text{ north}, 157^{\circ} 50' \text{ west}$. It is the Hawaiian Weather Bureau station Punahoa. (See fig. 2, No. 1, in the MONTHLY WEATHER REVIEW for July, 1902, page 365.) Hawaiian standard time is $10^{\circ} 30' \text{ slow}$ of Greenwich time. Honolulu local mean time is $10^{\circ} 31' \text{ slow}$ of Greenwich.

The pressure is corrected for temperature and reduced to sea level, and the gravity correction, -0.06 , has been applied.

The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 12, or Beaufort scale. Two directions of wind, or values of wind force, or amounts of cloudiness, connected by a dash, indicate change from one to the other.

Rainfall for twenty-four hours is measured at 9 a. m. local, or 7:31 p. m., Greenwich time.

The rain gage, 8 inches in diameter, is 1 foot above ground. Thermometer, 9 feet above ground. Ground is 43 feet and the barometer 50 feet above sea level.